

Product Catalogue:

Space and Defence

Document: 04990000

Date: August 2020



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1. INTRODUCTION

This catalogue details the standard parts for space and defence use available from Flux A/S. For customised parts and other enquiries, please contact sales.

1.1 Scope

Applicable to all components detailed herein unless formally agreed otherwise.

2. CERTIFICATION

Flux is certified to the following

Site	Standards
Denmark	ISO9001:2015 & AS9100D
Thailand	ISO9001:2015, ISO14001, ISO45001 & IATF16949

3. DOCUMENTS

3.1 ESCC Components

ESCC qualified parts are manufactured to the following baseline

Ref.	Document	Title
Q1	ESCC 3201	Coils, RF and Power, Fixed
Q2	ESCC 3201/013	Detail Specification: Customised Magnetics
Q3	FT 08699018	Technology Flow (general release)
Q4	FT 08699003	DML (Declared Materials List)
Q5	FT 08699004	DPL (Declared Processes List)

3.2 Reference Documents (RD)

These documents have been used to establish Flux's generic baseline.

Ref.	Document	Title
RD1	FT 08690020	General – Generic Specification
RD2	FT 08690019	General - Process Identification Document (PID)
RD3	FT 08690027	Declared Materials List
RD4	FT 08690028	Declared Processes List

3.3 Testing and Qualification

Testing and qualification is performed based upon the following.

Ref.	Document	Title
TQ1	MIL-PRF-27	General Specification for Transformers and Inductors
TQ2	MIL-STD-202	Test Method Standards – Electronic and Electrical Component Parts
TQ3	MIL-STD-981	Design, Manufacturing and Quality Standards for Custom Electromagnetic Devices for Space Applications
TQ4	ESCC 3201	Coils, RF and Power, Fixed



Gate Transformers



Intentionally Blank

Flux EP5 Gate Transformer 1489

The Flux 1489 is a Space Qualified SMT gate transformer.


Flux design and manufacture in accordance with Generic Specification and ESCC Detail Specification 3201/013 as applicable to offered quality levels. ESA Certified Trainer certifies all operators.

Upon request, Flux performs additional services such as individual Qualification, LOT Validation, X-Ray, Partial Discharge etc. ESCC Qualified Parts do not require other services than ESCC Inspection.

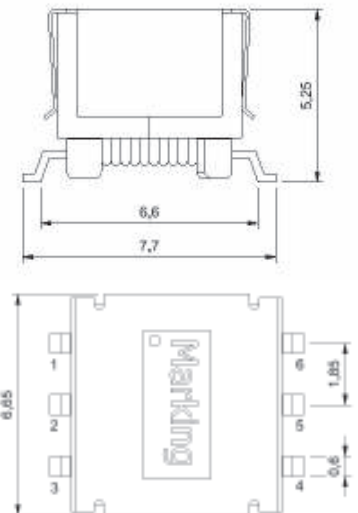
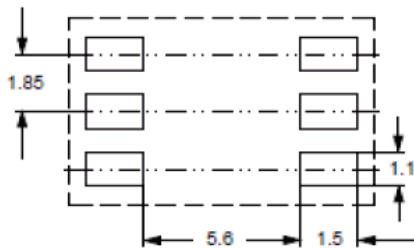
◆ Benefits

- Space qualified component
- Small footprint
- Low weight
- Surface Mounted
- Frequency up to 1000kHz
- $\pm 25\%$ inductance at room temperature
- $\pm 10\%$ inductance from -55 to $+125^{\circ}\text{C}$

◆ Quality levels:

- M: MIL/HiRel
- B: Flight models
LAT optional
- C: ESCC Qualified 
- S: Critical FM
MIL-STD-981
(Group A Screening,
Group B Test mandatory)

Recommended footprint by bobbin manufacturer



Box measures	269 mm ³
Weight	3 g

Config	N1	N2	N3
A	1,6	3,4	2,5

Inductance	$\pm 25\%$ at room temperature $\pm 15\%$ from -55 to 125°C
Current	Wire derate rms current according
Qualification	Space MIL-PRF-27 or ESCC

Part Number	Config	L [μH]	Current [A _{RMS}]	Derate [A _{RMS}]	Volt second 200mT [V μs]	DC Resistance at 20° C [mOhm]	Ratio [N1:N2:N3]
14890001	A	360	0,4	0,2	36	1127	1:1:1

* Thermal resistance from powerloss in wire to pin, Measured at $22 \pm 3^{\circ}\text{C}$

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The information contained herein is proprietary to Flux A/S. The dissemination, use or duplication of this information for any purpose other than that for which the information is intended is prohibited.



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FLUX



Flux ER9.5 Gate transformer 1489

The Flux 1489 is a Space Qualified series of SMT gate transformers.


Flux design and manufacture in accordance with Generic Specification and ESCC Detail Specification 3201/013 as applicable to offered quality levels. ESA Certified Trainer certifies all operators.

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◆ Benefits

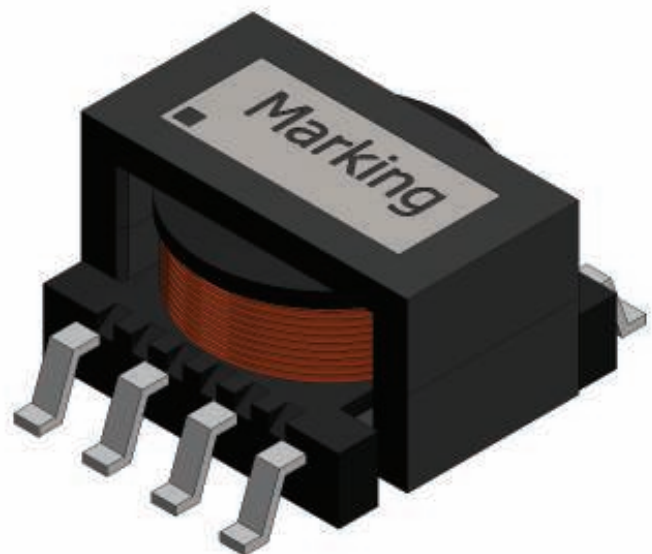
- Space qualified component
- Small footprint
- Low weight
- Surface Mounted
- Frequency up to 500kHz
- $\pm 25\%$ inductance at room temperature
- $\pm 40\%$ inductance from -55 to +125°C

◆ Quality levels:

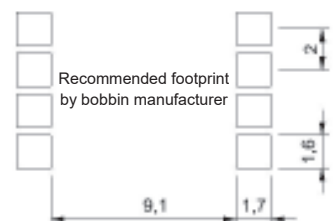
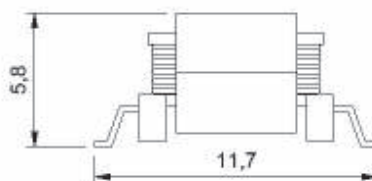
- M: MIL/HiRel
- B: Flight models
LAT optional
- C: ESCC Qualified 
- S: Critical FM
MIL-STD-981
(Group A Screening,
Group B Test mandatory)

◆ Applications

- Signal filtering
- Converter inductor



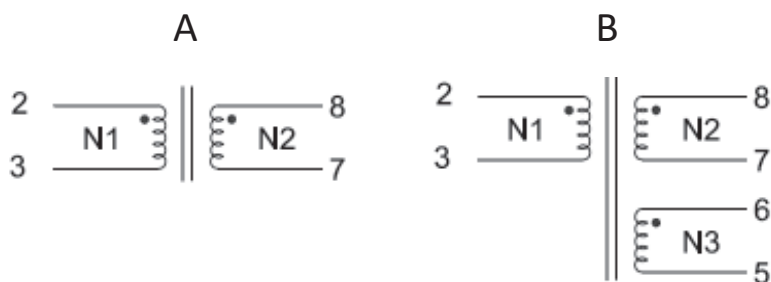
Box volume	788 mm ³
Weight	4 g



Specifications for ER9,5 gate transformer

Inductance	±25% at room temperature
	±40% from -55 to 125° C
Current	Wire derate rms current according to ECSS-Q-ST-30-11
Qualification	Space MIL-PRF-27 or ESCC
Derate	Recommended to derate current to

Config	N1	N2	N3
A	2,3	8,7	
B	2,3	8,7	6,5



Part Number	Config	L [μH]	Current [A _{RMS}]	Derate [A _{RMS}]	Volt second 200mT [V μs]	DC Resistance at 20° C [mOhm]	Ratio [N1:N2:N3]
14890201	A	1500	0,6	0,3	122	810	1:1
14890202	B	780	0,4	0,2	88	770	1:1:1
14890203	B	194	0,4	0,2	44	204	1:2:2
14890204	B	777	0,4	0,2	88	803	2:1:1

* Thermal resistance from powerloss in wire to pin, Measured at 22±3° C

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FLUX



Flux RM4 / ILP Gate transformers 1489

The Flux 1489 is a Space Qualified series of SMT gate transformers.


Flux design and manufacture in accordance with Generic Specification and ESCC Detail Specification 3201/013 as applicable to offered quality levels. ESA Certified Trainer certifies all operators.

Upon request, Flux performs additional services such as individual Qualification, LOT Validation, X-Ray, Partial Discharge etc. ESCC Qualified Parts do not require other services than ESCC Inspection.

◆ Benefits

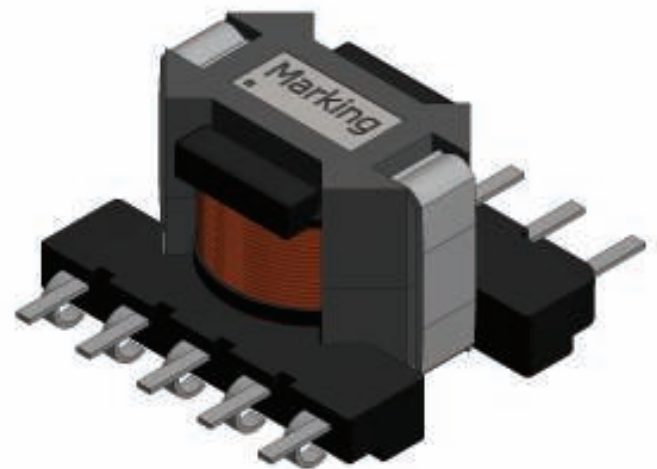
- Space qualified component
- Small footprint
- Low weight
- Surface Mounted
- Frequency up to 1000kHz
- $\pm 25\%$ inductance at room temperature
- $\pm 40\%$ inductance from -55 to $+125^{\circ}\text{C}$

◆ Quality levels:

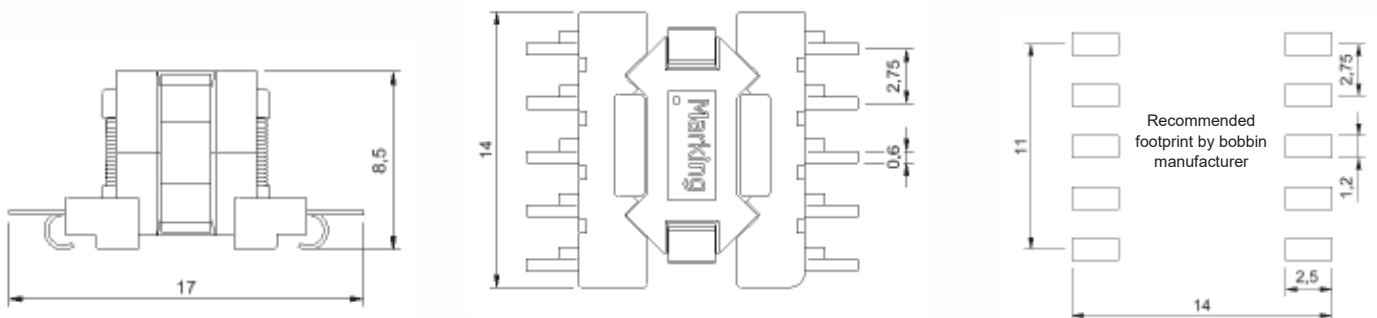
- M: MIL/HiRel
- B: Flight models
LAT optional
- C: ESCC Qualified 
- S: Critical FM
MIL-STD-981
(Group A Screening,
Group B Test mandatory)

◆ Applications

- Signal filtering
- Converter inductor



Box volume	2023 mm ³
Weight	4 g



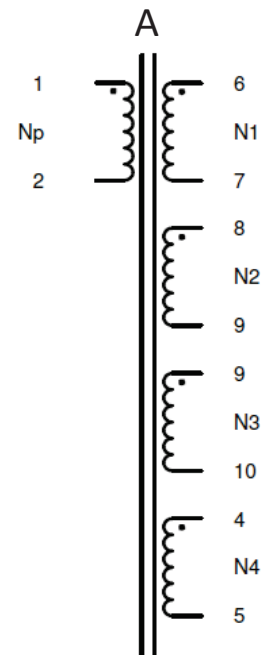
FLUX

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Specifications RM4 gate transformer

Inductance	±25% at room temperature
	±40% from -55 to 125° C
Current	Wire derate rms current according to ECSS-Q-ST-30-11
Qualification	Space MIL-PRF-27 or ESCC
Derate	Recommended to derate current to 50% as per Q-ST-ESCC-30-11



Config	NP	N1	N2	N3	N4
A	1,2	6,7	8,9	9,10	4,5

Part Number	Config	L [μH]	Current [A _{RMS}]	Derate [A _{RMS}]	Volt second 200mT [V μs]	DC Resistance at 20° C [mOhm]	Ratio [N1:N2:N3]
14890601	A	639	0,4	0,2	127,6	455	1:1:1:1:1
14890602	A	2556	0,4	0,2	255,2	1835	2:1:1:1:1
14890603	A	160	0,4	0,2	63,8	119	1:2:2:2:2

* Thermal resistance from powerloss in wire to pin, Measured at 22±3° C

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FLUX



Flux RM5 / ILP Gate transformers 1489

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Upon request, Flux performs additional services such as individual Qualification, LOT Validation, X-Ray, Partial Discharge etc. ESCC Qualified Parts do not require other services than ESCC Inspection.

◆ Benefits

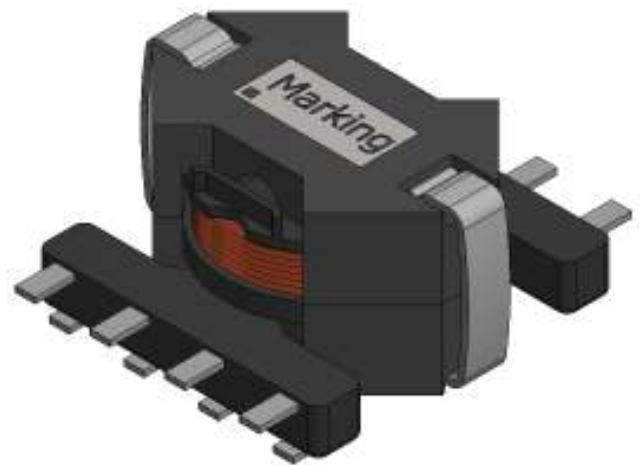
- Space qualified component
- Small footprint
- Low weight
- Surface Mounted
- Frequency up to 1000kHz
- $\pm 25\%$ inductance at room temperature
- $\pm 40\%$ inductance from -55 to +125°C

◆ Quality levels:

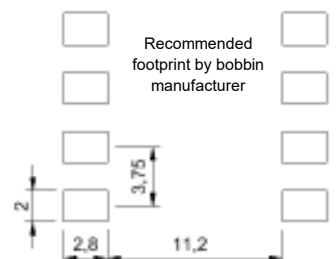
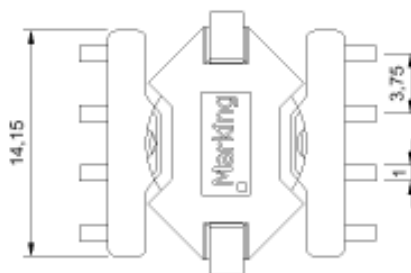
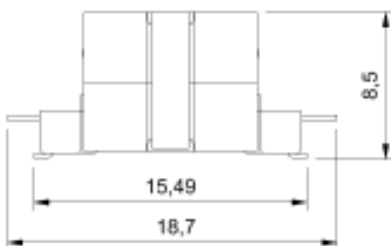
- M: MIL/HiRel
- B: Flight models
LAT optional
- C: ESCC Qualified 
- S: Critical FM
MIL-STD-981
(Group A Screening,
Group B Test mandatory)

◆ Applications

- Signal filtering
- Converter inductor



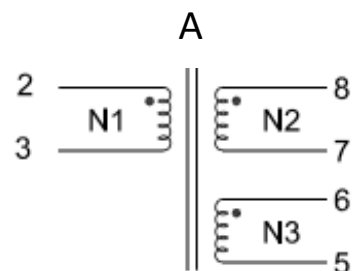
Box volume	2200 mm ³
Weight max	5 g



Specifications RM5 gate transformer

Inductance	±25% at room temperature ±40% from -55 to 125° C
Current	Wire derate rms current according to ECSS-Q-ST-30-11
Qualification	Space MIL-PRF-27 or ESCC
Derate	Recommended to derate current to 50% as per Q-ST-ESCC-30-11

Config	N1	N2	N3
A	2,3	8,7	6,5



Part Number	Config	L [μH]	Current [A _{RMS}]	Derate [A _{RMS}]	Volt second 200mT [V μs]	DC Resistance at 20° C [mOhm]	Ratio [N1:N2:N3]
14891101	B	4122	0,4	0,2	382	1621	1:1:1
14891102	B	5247	0,6	0,3	431	1262	2:1:1
14891103	B	458	0,4	0,2	127	138	1:2:2

* Thermal resistance from powerloss in wire to pin, Measured at 22±3° C

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FLUX





1553 Bus Transformers



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Flux RM5 bus transformers 1553

The Flux 1553 is a Space Qualified series of SMT bus transformers.


Flux design and manufacture in accordance with Generic Specification and ESCC Detail Specification 3201/013 as applicable to offered quality levels. ESA Certified Trainer certifies all operators.

Upon request, Flux performs additional services such as individual Qualification, LOT Validation, X-Ray, Partial Discharge etc. ESCC Qualified Parts do not require other services than ESCC Inspection.

◆ Benefits

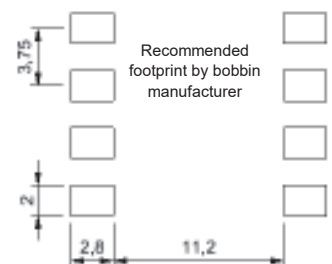
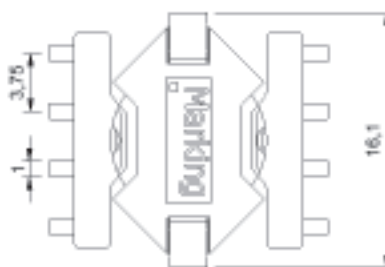
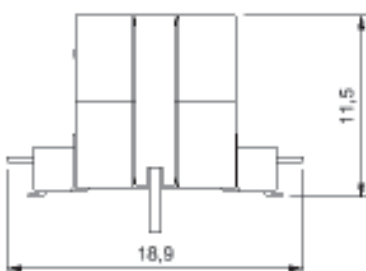
- Space qualified component
- Small footprint
- Low weight
- Surface Mounted
- Frequency up to 500kHz
- $\pm 25\%$ inductance at room temperature
- $\pm 40\%$ inductance from -55 to $+125^{\circ}\text{C}$

◆ Quality levels:

- M: MIL/HiRel
- B: Flight models
LAT optional
- C: ESCC Qualified 
- S: Critical FM
MIL-STD-981
(Group A Screening,
Group B Test mandatory)



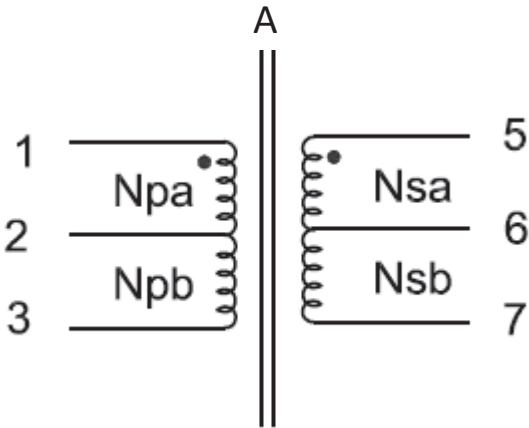
Box volume	3499 mm ³
Weight max	3,2 g



Specifications RM5 gate transformer

Inductance	±25% at room temperature
	±40% from -55 to 125° C
Current	Wire derate rms current according to ECSS-Q-ST-30-11
Qualification	Space MIL-PRF-27 or ESCC
Derate	Recommended to derate current to 50% as per Q-ST-ESCC-30-11

Config	Npa	Npb	Nsa	Nsb
A	1 2	2 3	5 6	6 7



Part Number	Config	L [μH]	Current [A _{RMS}]	Derate [A _{RMS}]	DC Resistance at 20° C (1 - 3) [Ohm]	DC Resistance at 20° C (5 - 7) [Ohm]	Ratio [N1:N2:N3]
15531101-1-B	A	2400	0,4	0,2	1,56	2,1	1:1,4
15531102-1-B	A	461	0,4	0,2	0,27	2,2	1:2,15
15531103-1-B	A	461	0,4	0,2	0,29	1,98	1:3

* Thermal resistance from powerloss in wire to pin, Measured at 22±3° C

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Current Sense Transformers



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Flux EE5 Current sense 1479

The Flux 1479 is a Space Qualified SMT current sense transformer


Flux design and manufacture in accordance with Generic Specification and ESCC Detail Specification 3201/013 as applicable to offered quality levels. ESA Certified Trainer certifies all operators.

Upon request, Flux performs additional services such as individual Qualification, LOT Validation, X-Ray, Partial Discharge etc. ESCC Qualified Parts do not require other services than ESCC Inspection.

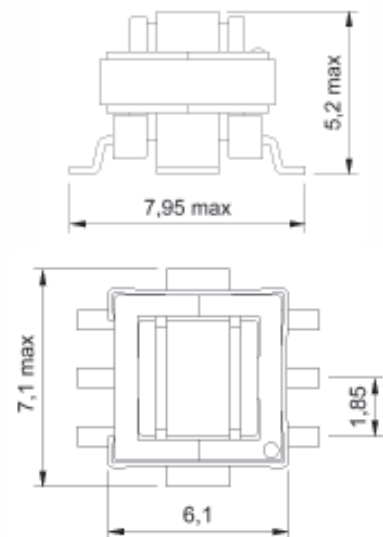
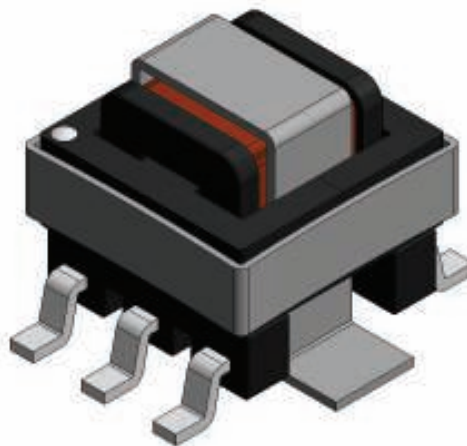
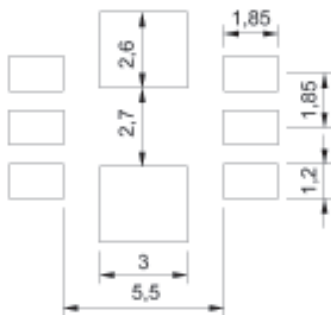
◆ Benefits

- Space qualified component
- Small footprint
- Low weight
- Surface Mounted
- Frequency up to 500kHz
- $\pm 30\%$ inductance at room temperature
- $\pm 40\%$ inductance from -55 to +125°C

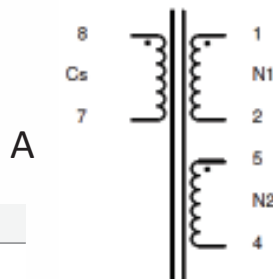
◆ Quality levels:

- M: MIL/HiRel
- B: Flight models
LAT optional
- C: ESCC Qualified 
- S: Critical FM
MIL-STD-981
(Group A Screening,
Group B Test mandatory)

Recommended footprint by
bobbin manufacturer



Box volume	293,5 mm3
Weight	1 g



Current	Wire derate rms current according to ECSS-Q-ST-30-11
Qualification	Space MIL-PRF-27 or ESCC
Derate	Recommended to derate current to

Config	N1	N2	CS
A	1,2	5,4	8,7

Part Number	Config	Measuring current, maximum [A]	Measuring current, recommended [A]	DC Resistance of CS @ 20° C [mOhm]	Ratio [CS,N1,N2]	Ratio [CS,N1+N2]
14790101	A	6,4	3,2	0,7	1:50:50	1:100

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FLUX



Flux ER9.5 Current sense 1479

The Flux 1479 is a Space Qualified SMT current sense transformer.


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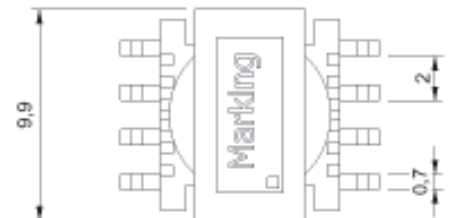
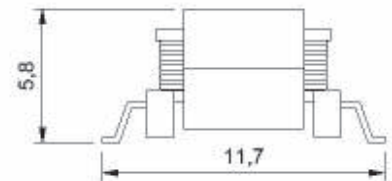
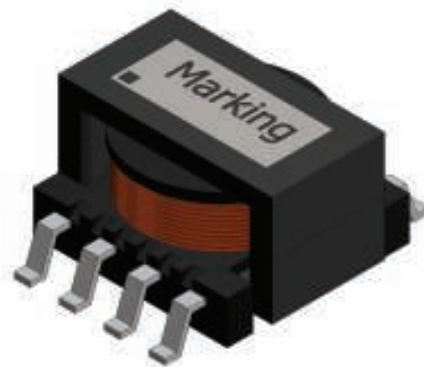
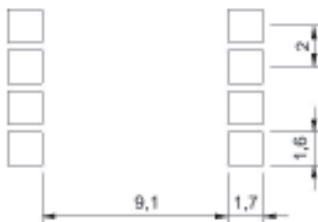
◆ Benefits

- Space qualified component
- Small footprint
- Low weight
- Surface Mounted
- Frequency up to 500kHz
- $\pm 30\%$ inductance at room temperature
- $\pm 40\%$ inductance from -55 to $+125^{\circ}\text{C}$

◆ Quality levels:

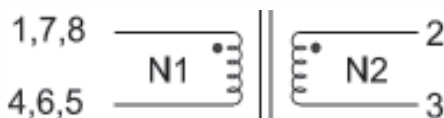
- M: MIL/HiRel
- B: Flight models
LAT optional
- C: ESCC Qualified 
- S: Critical FM
MIL-STD-981
(Group A Screening,
Group B Test mandatory)

Recommended footprint
by bobbin manufacturer



Box measures	787,6 mm3
Weight	4 g

Config	N1	N2
A	1,7,8,4,6,5	2,3



Current	Wire derate rms current according to ECSS-Q-ST-30-11
Qualification	Space MIL-PRF-27 or ESCC
Derate	Recommended to derate current to 50% as per Q-ST-ESCC-30-11

Part Number	Config	Measuring current, maximum [A]	Measuring current, recommended [A]	DC Resistance of CS @ 20° C [mOhm]	Ratio [N1,N2]
14790201	A	6,4	3,2	3	1:100

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* Thermal resistance from powerloss in wire to pin, Measured at $22\pm3^{\circ}\text{C}$

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FLUX





Inductors



Intentionally Blank

Flux SMT ER 9,5 Inductor Series 1270

The Flux 1270 is a Space Qualified planar based series of Differential Mode Inductors.


Flux design and manufacture in accordance with Generic Specification and ESCC Detail Specification 3201/013 as applicable to offered quality levels. ESA Certified Trainer certifies all operators.

Upon request, Flux performs additional services such as individual Qualification, LOT Validation, X-Ray, Partial Discharge etc. ESCC Qualified Parts do not require other services than ESCC Inspection.

◆ Benefits

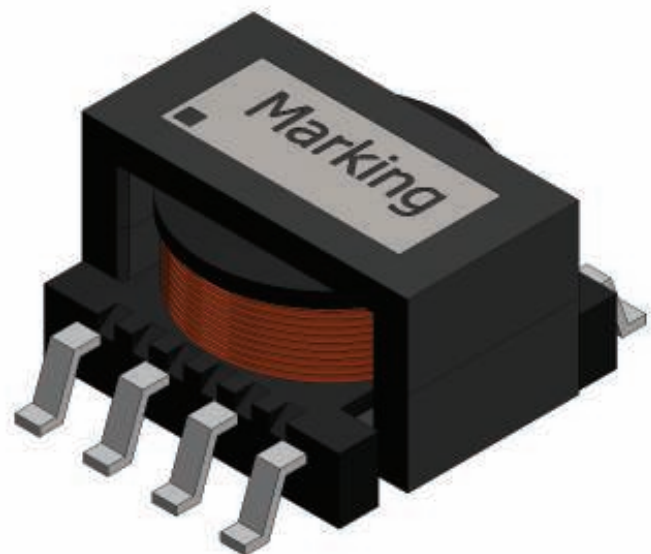
- Space qualified component
- Small footprint
- Low weight
- Surface Mounted
- Frequency up to 1000kHz
- $\pm 7\%$ inductance at room temperature
- $\pm 10\%$ inductance from -55 to +125°C

◆ Quality levels:

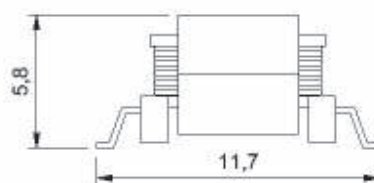
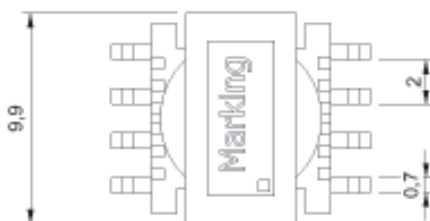
- M: MIL/HiRel
- B: Flight models
LAT optional
- C: ESCC Qualified 
- S: Critical FM
MIL-STD-981
(Group A Screening,
Group B Test mandatory)

◆ Applications

- Signal filtering
- Converter inductor



Box measures	672 mm3
Weight	3 g



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Specifications for 1270 Series

Inductance	±7% at room temperature
	±10% from -55 to 125° C
Current	Wire derate rms current according to ECSS-Q-ST-30-11
Qualification	Space MIL-PRF-27 or ESCC
Derate	Recommended to derate current to

Config	Pin A	Pin B
A	1,2,7,8	3,4,5,6
B	1,2	3,4
C	1	3

Part Number	Config	L [μH]	Current [A _{RMS}]	Derate [A _{RMS}]	Current at 200mT [A]	DC Resistance at 20° C [mOhm]	Thermal resistance, Rth * [°K/W]
12700009	A	0,9	6,57	3,29	5,67	4,3	93
12700016	A	1,6	5,93	2,96	4,25	6,9	118
12700025	A	2,5	5,00	2,50	3,40	10,3	148
12700036	A	3,6	5,00	2,50	2,83	12,1	144
12700049	A	4,9	4,24	2,12	2,43	17,0	172
12700064	A	6,4	3,58	1,79	2,13	23,7	206
12700081	B	8,1	2,96	1,48	1,89	28,6	191
12700100	B	10	2,96	1,48	1,70	31,6	184
12700121	B	12,1	2,96	1,48	1,55	34,6	176
12700144	B	14,4	2,50	1,25	1,42	46,1	214
12700169	B	16,9	2,50	1,25	1,31	49,8	205
12700196	B	19,6	2,12	1,06	1,21	65,1	249
12700225	B	22,5	2,12	1,06	1,13	69,6	239
12700256	B	25,6	1,79	0,89	1,06	91,1	294
12700289	B	28,9	1,79	0,89	1,00	104,7	228
12700324	B	32,4	1,79	0,89	0,94	110,6	225
12700400	B	40,0	1,79	0,89	0,85	122,5	218
12700484	C	48,4	1,48	0,74	0,77	134,4	248
12700576	C	57,6	1,48	0,74	0,71	146,3	237
12700676	C	67,6	1,25	0,63	0,65	194,2	290
12700841	C	84,1	1,25	0,63	0,59	227,0	241
12701020	C	102	1,06	0,53	0,53	290	330
12701230	C	123	0,89	0,45	0,49	406	359
12701520	C	152	0,89	0,45	0,44	452	348
12701850	C	185	0,76	0,38	0,40	602	419
12702210	C	221	0,76	0,38	0,36	682	440
12702700	C	270	0,76	0,38	0,33	754	427
12703360	C	336	0,58	0,29	0,29	1167	601
12703970	C	397	0,58	0,29	0,27	1267	588
12704760	C	476	0,58	0,29	0,25	1430	533
12705630	C	563	0,58	0,29	0,23	1554	524
12706890	C	689	0,44	0,22	0,20	2391	746
12708280	C	828	0,44	0,22	0,19	2620	734
12709999	C	1000	0,44	0,22	0,17	2955	756

* Thermal resistance from powerloss in wire to pin, Measured at 22±3° C

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FLUX



Flux SMT RM5 / ILP Inductor Series 1275

The Flux 1275 is a Space Qualified planar based series of Differential Mode Inductors.

Flux design and manufacture in accordance with Generic Specification and ESCC Detail Specification 3201/013 as applicable to offered quality levels. ESA Certified Trainer certifies all operators.

Upon request, Flux performs additional services such as individual Qualification, LOT Validation, X-Ray, Partial Discharge etc. ESCC Qualified Parts do not require other services than ESCC Inspection.

◆ Benefits

- Space qualified component
- Small footprint
- Low weight
- Surface Mounted
- Frequency up to 1000kHz
- $\pm 7\%$ inductance at room temperature
- $\pm 10\%$ inductance from -55 to $+125^{\circ}\text{C}$

◆ Quality levels:

- M: MIL/HiRel
- B: Flight models
LAT optional
- C: ESCC Qualified
- S: Critical FM
MIL-STD-981
(Group A Screening,
Group B Test mandatory)

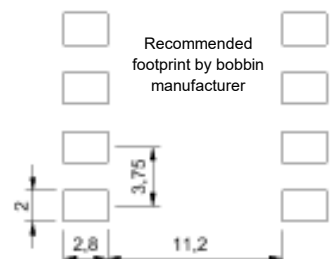
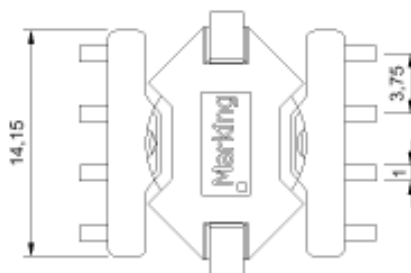
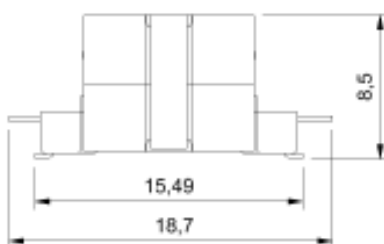
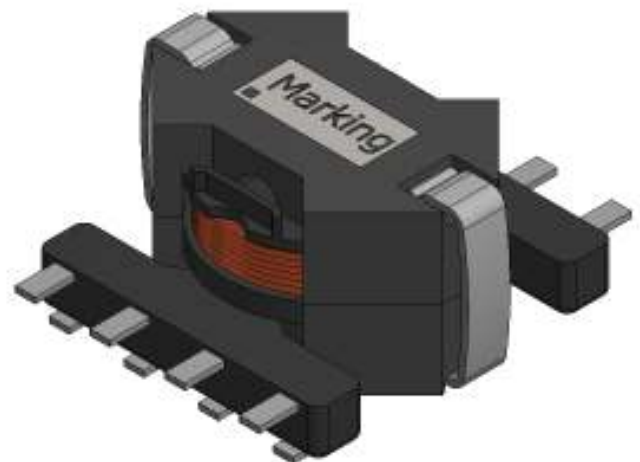


◆ Applications

- Signal filtering
- Converter inductor

Config	Pin A	Pin B
A	1,2,7,8	3,4,5,6
B	1,2,8	3,4,6
C	1,2	3,4
D	1	2

Box measures	2253 mm ³
Weight	4 g



Specifications for 1275 Series

Inductance	±7% at room temperature ±10% from -55 to 125° C	Core material	3F36
Current	Wire derate rms current according to ECSS-Q-ST-30-11	Weight	4 g
Qualification	Space MIL-PRF-27 or ESCC	Derate	Recommended to derate current to 50% as per Q-ST-ESCC-30-11
		Quality levels	B: Flight models S: Critical Flight models

Part Number	Config	L [μH]	Current [A _{RMS}]	Derate [A _{RMS}]	Current at 200mT [A]	DC Resistance at 20° C [mOhm]	Thermal resistance, Rth * [°K/W]
12750009	B	0,9	10,61	5,30	16,00	2,7	40
12750016	A	1,6	10,12	5,06	12,00	4,2	51
12750025	A	2,5	7,76	3,88	9,60	7,0	69
12750036	A	3,6	6,57	3,29	8,00	11,1	63
12750049	C	4,9	6,04	3,02	6,86	11,4	63
12750064	C	6,4	6,04	3,02	6,00	13,0	57
12750081	C	8,1	5,06	2,53	5,33	17,9	69
12750100	C	10,0	4,23	2,12	4,80	24,5	84
12750121	B	12,1	4,44	2,22	4,36	27,6	72
12750144	B	14,4	4,44	2,22	4,00	32,7	80
12750169	B	16,9	3,75	1,88	3,69	43,3	97
12750196	B	19,6	3,75	1,88	3,43	46,6	92
12750225	B	22,5	3,18	1,59	3,20	64,8	107
12750256	A	25,6	3,58	1,79	3,00	63,2	100
12750289	A	28,9	3,58	1,79	2,82	67,1	96
12750324	C	32,4	2,96	1,48	2,67	73,0	82
12750400	C	40,0	2,50	1,25	2,40	99,1	99
12750484	D	48,4	1,64	0,82	2,18	144	155
12750576	D	57,6	1,64	0,82	2,00	157	146
12750676	C	67,6	1,79	0,89	1,85	204	154
12750841	D	84,1	1,48	0,74	1,66	234	150
12751020	D	102	1,48	0,74	1,50	257	144
12751230	D	123	1,48	0,74	1,37	281	138
12751520	D	152	1,25	0,63	1,23	383	168
12751850	D	185	1,25	0,63	1,12	422	160
12752210	D	221	1,25	0,63	1,02	461	152
12752700	D	270	1,06	0,53	0,92	642	173
12753360	D	336	1,06	0,53	0,83	716	166
12753970	D	397	0,89	0,45	0,76	981	223
12754760	D	476	0,89	0,45	0,70	1074	216
12755630	D	563	0,76	0,38	0,64	1407	263
12756890	D	689	0,76	0,38	0,58	1600	240
12758280	D	828	0,58	0,29	0,53	2369	364
12759999	D	1000	0,58	0,29	0,48	2731	355

* Thermal resistance from powerloss in wire to pin, Measured at 22±3° C

Contact

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FLUX



Flux SMT EP5 Inductor Series 1280

The Flux 1280 is a Space Qualified Planar based series of Differential Mode Inductors.


Flux design and manufacture in accordance with Generic Specification and ESCC Detail Specification 3201/013 as applicable to offered quality levels. ESA Certified Trainer certifies all operators.

Upon request, Flux performs additional services such as individual Qualification, LOT Validation, X-Ray, Partial Discharge etc. ESCC Qualified Parts do not require other services than ESCC Inspection.

◆ Benefits

- Space qualified component
- Small footprint
- Low weight
- Surface Mounted
- Frequency up to 1000kHz
- $\pm 5\%$ inductance at room temperature
- $\pm 10\%$ inductance from -55 to $+125^{\circ}\text{C}$

◆ Quality levels:

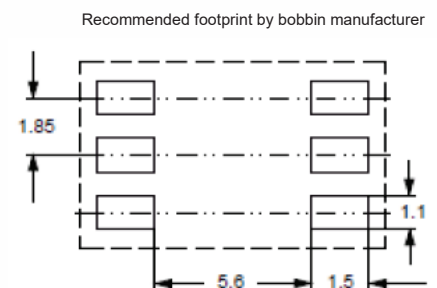
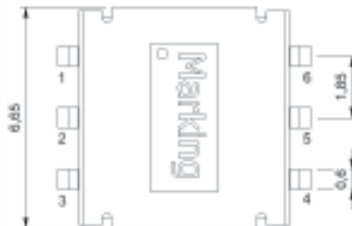
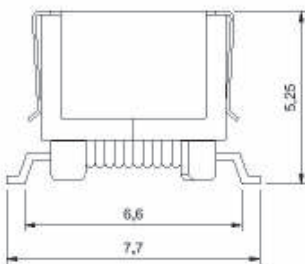
- M: MIL/HiRel
- B: Flight models
LAT optional
- C: ESCC Qualified 
- S: Critical FM
MIL-STD-981
(Group A Screening,
Group B Test mandatory)

◆ Applications

- Signal filtering
- Converter inductor



Box measures	269 mm ³
Weight	3 g



FLUX

The information contained herein is proprietary to Flux A/S. The dissemination, use or duplication of this information for any purpose other than that for which the information is intended is prohibited.



Specifications for 1280 Series

Inductance	±10% at room temperature ±15% from -55 to 125° C
Current	Wire derate rms current according to ECSS-Q-ST-30-11
Qualification	Space MIL-PRF-27 or ESCC

Config	Pin A	Pin B
A	1,2,3	6,5,4
B	2,3	5,4
C	2	5

Part Number	Config	L [μH]	Current [A _{RMS}]	Current at 200mT [A]	DC Resistance at 20° C [mOhm]	Thermal resistance, Rth * [°K/W]
12800014	A	0,14	12,07	12,5	4,0	34
12800023	A	0,23	12,07	8,00	4,0	34
12800026	A	0,26	6,94	9,38	7,3	57
12800036	A	0,36	12,07	5,00	4,0	34
12800063	A	0,63	5,02	4,80	10,6	74
12800078	A	0,78	2,91	5,36	21,3	111
12800100	A	1,00	5,02	3,00	10,6	74
12800123	A	1,23	2,91	3,43	21,3	111
12800160	B	1,60	2,53	3,00	26,4	118
12800196	A	1,96	2,91	2,14	21,3	111
12800230	A	2,30	1,74	3,13	50,2	131
12800270	A	2,70	1,35	2,88	67,7	162
12800324	B	3,24	2,43	1,67	29,5	114
12800360	A	3,60	1,75	2,00	50,2	131
12800484	B	4,84	2,16	1,36	38,0	112
12800576	A	5,76	1,75	1,25	50,2	131
12800676	A	6,76	1,35	1,15	67,7	162
12800784	A	7,84	1,35	1,07	82	133
12801060	A	10,65	1,35	0,73	68	162
12801420	A	14,18	1,36	0,63	100	108
12801820	A	18,21	1,03	0,56	141	172
12802270	B	22,7	0,50	0,50	166	482
12802780	B	27,8	0,47	0,45	185	490
12803330	C	33,3	0,34	0,41	271	657
12803940	C	39,4	0,32	0,38	297	657
12804590	C	45,9	0,31	0,35	325	662
12805670	C	56,7	0,29	0,32	366	663
12806860	C	68,6	0,27	0,29	407	664
12808160	C	81,6	0,26	0,26	449	664
12809999	C	101	0,17	0,24	696	982

* Thermal resistance from powerloss in wire to pin, Measured at 22±3° C

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FLUX



Flux SMT ER 14,5L Inductor Series 1281

The Flux 1281 is a Space Qualified planar based series of SMT Inductors.


Flux design and manufacture in accordance with Generic Specification and ESCC Detail Specification 3201/013 as applicable to offered quality levels. ESA Certified Trainer certifies all operators.

Upon request, Flux performs additional services such as individual Qualification, LOT Validation, X-Ray, Partial Discharge etc. ESCC Qualified Parts do not require other services than ESCC Inspection.

◆ Benefits

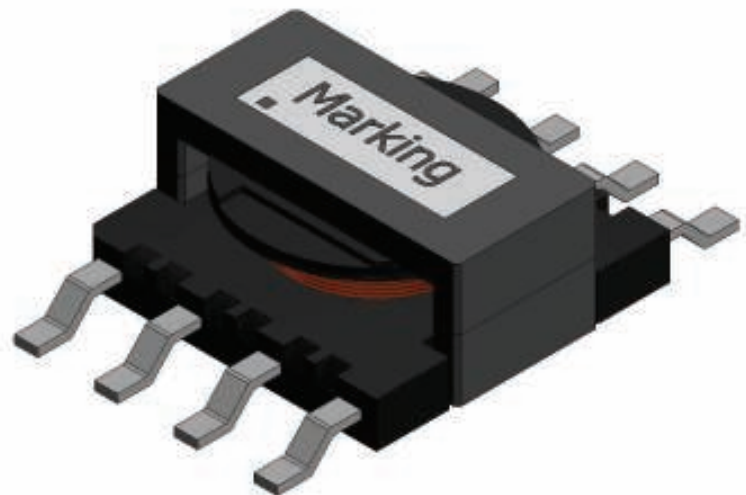
- Space qualified component
- Small footprint
- Low weight
- Surface Mounted
- Frequency up to 500kHz
- Current rating 0,29 - 14,4 A_{RMS}
- ±20 - 40% inductance at rated current

◆ Quality levels:

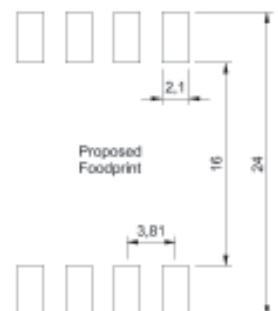
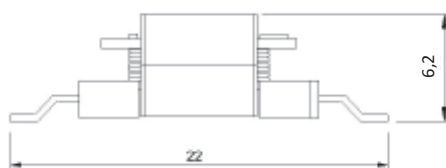
- M: MIL/HiRel
- B: Flight models
LAT optional
- C: ESCC Qualified 
- S: Critical FM
MIL-STD-981
(Group A Screening,

◆ Applications

- Signal filtering
- Converter inductor



Box volume	1978 mm ³
Weight	6 g



Specifications for 1281 Series

Inductance	±20% Inductance at room temperature
	±22% Inductance from -55 to +125°C
Current	Wire derate rms current according to ECSS-Q-ST-30-11
Qualification	Space MIL-PRF-27 or ESCC
Derate	Recommended to derate current to 50% as per Q-ST-ESCC-30-11

Config	Pin A	Pin B
A	1,2,3,4	5,6,7,8

Pin A Pin B

[illegible]

* Thermal resistance from powerloss in wire to pin, Measured at 22±3° C

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Flux SMT E18 Inductor Series 1282

The Flux 1282 is a Space Qualified planar based series of SMT Inductors.


Flux design and manufacture in accordance with Generic Specification and ESCC Detail Specification 3201/013 as applicable to offered quality levels. ESA Certified Trainer certifies all operators.

Upon request, Flux performs additional services such as individual Qualification, LOT Validation, X-Ray, Partial Discharge etc. ESCC Qualified Parts do not require other services than ESCC Inspection.

◆ Benefits

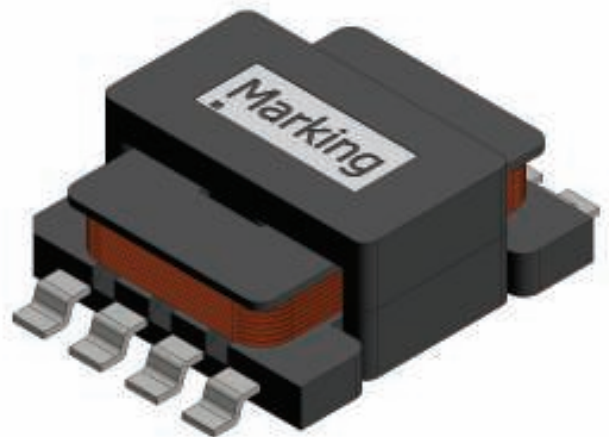
- Space qualified component
- Small footprint
- Low weight
- Surface Mounted
- Frequency up to 1MHz
- Current rating 0,9 - 10 A_{RMS}
- ±20 - 40% inductance at rated current

◆ Quality levels:

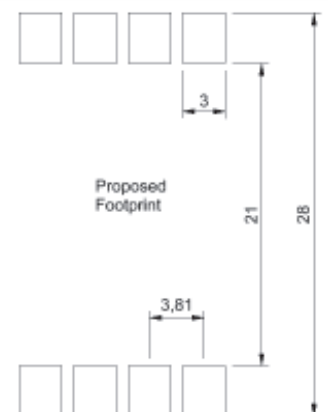
- M: MIL/HiRel
- B: Flight models
LAT optional
- C: ESCC Qualified 
- S: Critical FM
MIL-STD-981
(Group A Screening,
Group B Test mandatory)

◆ Applications

- Signal filtering
- Converter inductor



Box measures	3838 mm ³
Weight	11,5 g



Specifications for 82 Series

Inductance	±20% Inductance at room temperature
	±22% Inductance from -55 to +125°C
Current	Wire derate rms current according to ECSS-Q-ST-30-11
Qualification	Space MIL-PRF-27 or ESCC
Derate	Recommended to derate current to 50% as per Q-ST-ESCC-30-11

Config	Pin A	Pin B
A	1,2,3,4	5,6,7,8

Pin A  Pin B

[illegible]

* Thermal resistance from powerloss in wire to pin, Measured at 22±3° C

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Flux SMT E22L Inductor Series 1283

The Flux 1283 is a Space Qualified planar based series of SMT Inductors.


Flux design and manufacture in accordance with Generic Specification and ESCC Detail Specification 3201/013 as applicable to offered quality levels. ESA Certified Trainer certifies all operators.

Upon request, Flux performs additional services such as individual Qualification, LOT Validation, X-Ray, Partial Discharge etc. ESCC Qualified Parts do not require other services than ESCC Inspection.

◆ Benefits

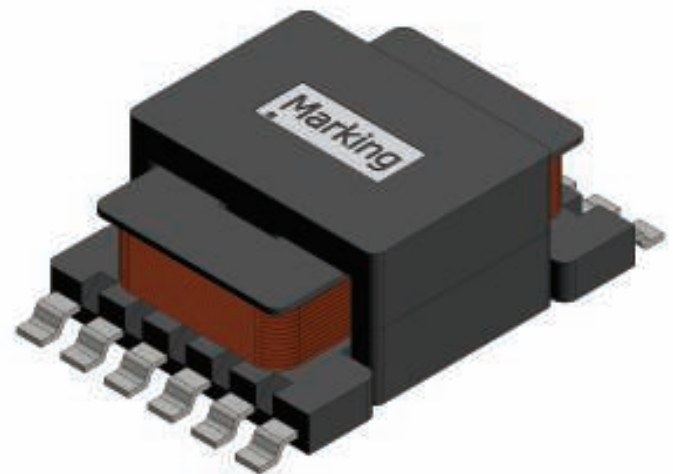
- Space qualified component
- Small footprint
- Low weight
- Surface Mounted
- Frequency up to 1MHz
- Current rating 0,8 - 19,3 A_{RMS}
- ±20 - 40% inductance at rated current

◆ Quality levels:

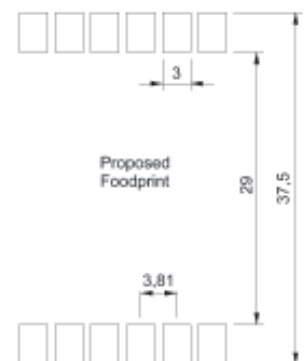
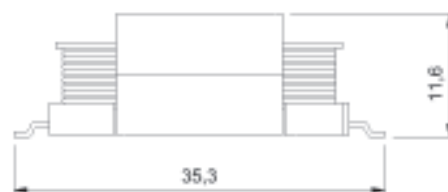
- M: MIL/HiRel
- B: Flight models
LAT optional
- C: ESCC Qualified 
- S: Critical FM
MIL-STD-981
(Group A Screening,
Group B Test mandatory)

◆ Applications

- Signal filtering
- Converter inductor



Box volume	9498 mm ³
Weight	28 g



FLUX

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Specifications for 1283 Series

Inductance	±20% Inductance at room temperature
	±22% Inductance from -55 to +125°C
Current	Wire derate rms current according to ECSS-Q-ST-30-11
Qualification	Space MIL-PRF-27 or ESCC
Derate	Recommended to derate current to 50% as per Q-ST-ESCC-30-11

Config	Pin A	Pin B
A	1,2,3,4	5,6,7,8

Pin A  Pin B

[illegible]

* Thermal resistance from powerloss in wire to pin, Measured at 22±3° C

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Flux SMT ER 14,5L Inductor Series 1291

The Flux 1291 series, is a Space Qualified planar based series of small SMT Inductors.


Flux design and manufacture in accordance with Generic Specification and ESCC Detail Specification 3201/013 as applicable to offered quality levels. ESA Certified Trainer certifies all operators.

Upon request, Flux performs additional services such as individual Qualification, LOT Validation, X-Ray, Partial Discharge etc. ESCC Qualified Parts do not require other services than ESCC Inspection.

◆ Benefits

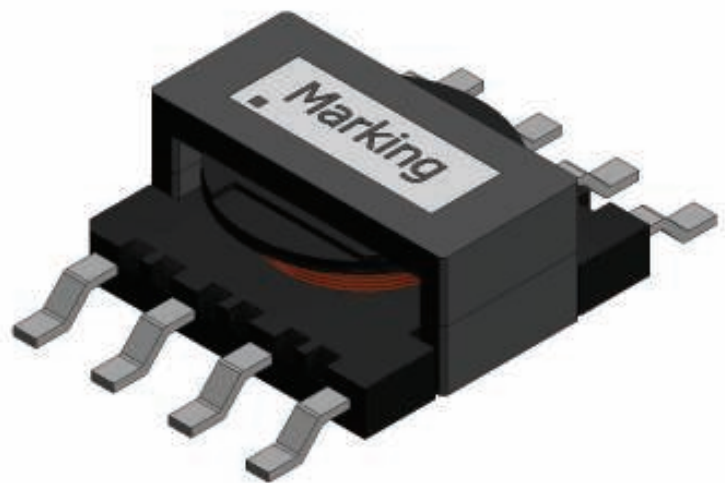
- Space qualified component
- Small footprint
- Low weight
- Surface Mounted
- Frequency up to 500kHz
- Current rating 0,29 - 14,4 A_{RMS}
- ± 3 - 6% inductance at rated current

◆ Quality levels:

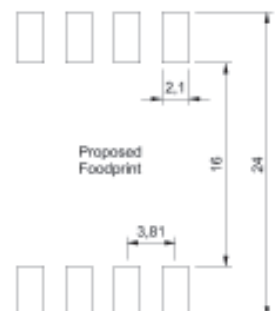
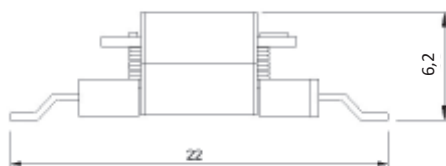
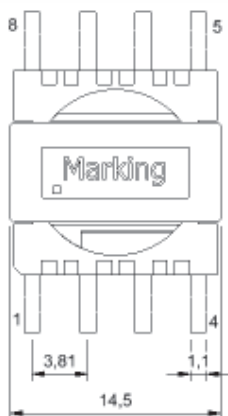
- M: MIL/HiRel
- B: Flight models
LAT optional
- C: ESCC Qualified 
- S: Critical FM
MIL-STD-981
(Group A Screening,

◆ Applications

- Signal filtering
- Converter inductor



Box volume	1978 mm ³
Weight	6 g



FLUX

The information contained herein is proprietary to Flux A/S. The dissemination, use or duplication of this information for any purpose other than that for which the information is intended is prohibited.



Specifications for 1291 Series

Inductance	±20% Inductance at room temperature
	±22% Inductance from –55 to +125°C
Current	Wire derate rms current according to ECSS-Q-ST-30-11
Qualification	Space MIL-PRF-27 or ESCC
Derate	Recommended to derate current to 50% as per Q-ST-ESCC-30-11

Config	Pin A	Pin B
A	1,2,7,8	3,4,5,6

Pin A  Pin B

Part Number	Config	L [μH]	Current [A _{RMS}]	Derate [A _{RMS}]	Current at 200mT [A]	DC Resistance at 20° C [mOhm]	Thermal resistance, R _{th} * [°K/W]
12919001	A	1,6	14,4	7,2	9	5,8	96
12919002	A	2	10,3	5,7	8,2	6,3	96
12919003	A	3	8,4	4,2	6,7	7,3	96
12919004	A	4,9	6,2	3,0	5	13,5	96
12919005	A	6,4	5,4	2,7	4,4	16,8	96
12919006	A	8,1	4,9	2,1	3,9	25,3	96
12919007	A	13,1	4,1	1,8	3,2	36,2	96
12919008	A	15,6	3,5	1,7	2,7	42,7	96
12919009	A	18,2	3,2	1,6	2,6	45,9	96
12919010	A	21	3	1,5	2,4	49,1	96
12919011	A	27,2	2,7	1,8	2,1	55,5	96
12919012	A	28,9	2,7	1,8	2	57,1	96
12919013	A	34,2	2,3	1,7	1,9	60,3	96
12919014	A	46,2	1,9	1	1,6	97,2	96
12919015	A	55,2	1,8	0,9	1,5	103,6	96
12919016	A	67,6	1,7	0,8	1,3	170,9	96
12919017	A	84,1	1,5	0,8	1,2	186,9	96
12919018	A	102,4	1,4	0,7	1,1	228,	96
12919019	A	119	1,2	0,6	1	263,4	96
12919020	A	156	1,1	0,6	0,9	293,1	96
12919021	A	220,9	0,9	0,5	0,7	487,3	96
12919022	A	330,6	0,8	0,5	0,6	616,5	96
12919023	A	1010	0,4	0,3	0,35	2028	96
12919024	A	2295	0,29	0,3	0,23	3993,4	96

* Thermal resistance from powerloss in wire to pin, Measured at 22±3° C

Contact

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FLUX



Flux SMT E18 Inductor Series 1292

The Flux 1292 is a Space Qualified planar based series of SMT Inductors.


Flux design and manufacture in accordance with Generic Specification and ESCC Detail Specification 3201/013 as applicable to offered quality levels. ESA Certified Trainer certifies all operators.

Upon request, Flux performs additional services such as individual Qualification, LOT Validation, X-Ray, Partial Discharge etc. ESCC Qualified Parts do not require other services than ESCC Inspection.

◆ Benefits

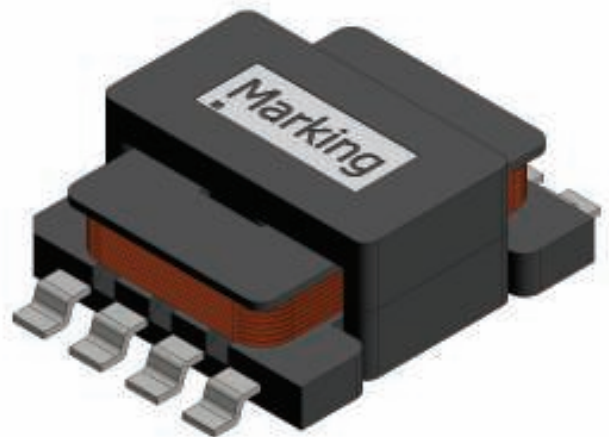
- Space qualified component
- Small footprint
- Low weight
- Surface Mounted
- Frequency up to 1MHz
- Current rating 0,9 - 10 A_{RMS}
- ± 2 - 6% Inductance at rated current

◆ Quality levels:

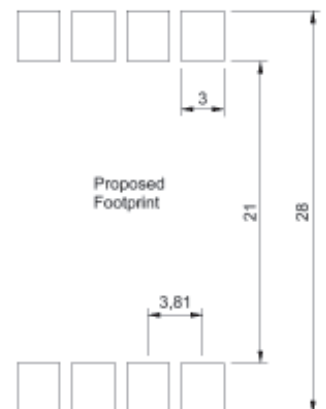
- M: MIL/HiRel
- B: Flight models
LAT optional
- C: ESCC Qualified 
- S: Critical FM
MIL-STD-981
(Group A Screening,
Group B Test mandatory)

◆ Applications

- Signal filtering
- Converter inductor



Box volume	3838 mm ³
Weight	11,5 g



Specifications for 92 Series

Inductance	±20% Inductance at room temperature ±22% Inductance from –55 to +125°C
Current	Wire derate rms current according to ECSS-Q-ST-30-11
Qualification	Space MIL-PRF-27 or ESCC
Derate	Recommended to derate current to 50% as per Q-ST-ESCC-30-11

Config	Pin A	Pin B
A	1,2,7,8	3,4,5,6

Pin A  Pin B

[illegible]

* Thermal resistance from powerloss in wire to pin, Measured at 22±3° C

Contact

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Flux SMT E22L Inductor Series 1293

The Flux 1293 is a Space Qualified planar based series of SMT Inductors.


Flux design and manufacture in accordance with Generic Specification and ESCC Detail Specification 3201/013 as applicable to offered quality levels. ESA Certified Trainer certifies all operators.

Upon request, Flux performs additional services such as individual Qualification, LOT Validation, X-Ray, Partial Discharge etc. ESCC Qualified Parts do not require other services than ESCC Inspection.

◆ Benefits

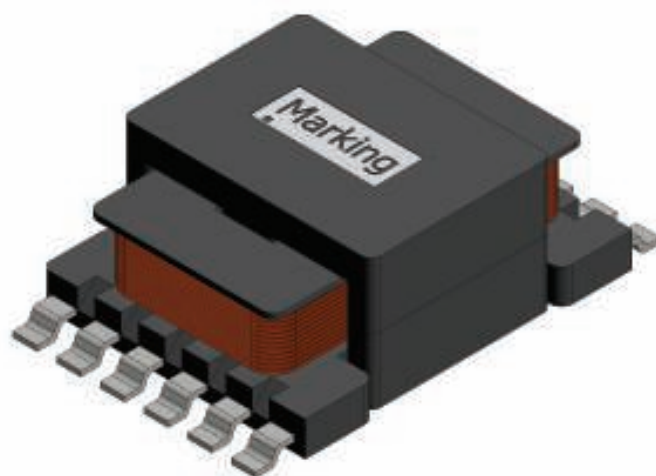
- Space qualified component
- Small footprint
- Low weight
- Surface Mounted
- Frequency up to 1MHz
- Current rating 0,8 - 19,3 A_{RMS}
- ± 2 - 6% inductance at rated current

◆ Quality levels:

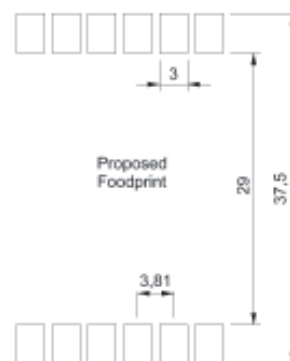
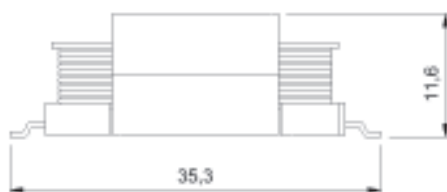
- M: MIL/HiRel
- B: Flight models
LAT optional
- C: ESCC Qualified 
- S: Critical FM
MIL-STD-981
(Group A Screening,
Group B Test mandatory)

◆ Applications

- Signal filtering
- Converter inductor



Box volume	9498 mm ³
Weight	28 g



FLUX

The information contained herein is proprietary to Flux A/S. The dissemination, use or duplication of this information for any purpose other than that for which the information is intended is prohibited.



Specifications for 1293 Series

Inductance	±20% Inductance at room temperature ±22% Inductance from –55 to +125°C
Current	Wire derate rms current according to ECSS-Q-ST-30-11
Qualification	Space MIL-PRF-27 or ESCC
Derate	Recommended to derate current to 50% as per Q-ST-ESCC-30-11

Config	Pin A	Pin B
A	1,2,7,8	3,4,5,6

Pin A  Pin B

[illegible]

* Thermal resistance from powerloss in wire to pin, Measured at 22±3° C

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Chokes



Intentionally Blank

Flux Std CM Toroide Series 1290-00

The Flux 1290-00 is a Space Qualified toroid based series of Differential Mode Inductors.


Flux design and manufacture in accordance with Generic Specification and ESCC Detail Specification 3201/013 as applicable to offered quality levels. ESA Certified Trainer certifies all operators.

Upon request, Flux performs additional services such as individual Qualification, LOT Validation, X-Ray, Partial Discharge etc. ESCC Qualified Parts do not require other services than ESCC Inspection.

◆ Benefits

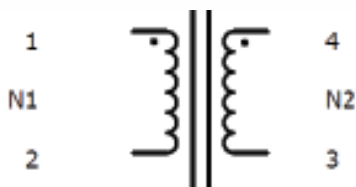
- Space qualified component
- Compact
- Through hole
- Frequency up to 100kHz
- $\pm 20\%$ inductance at room temperature
- Not Coated

◆ Quality levels:

- M: MIL/HiRel
- B: Flight models
LAT optional
- C: ESCC Qualified 
- S: Critical FM
MIL-STD-981
(Group A Screening,
Group B Test mandatory)

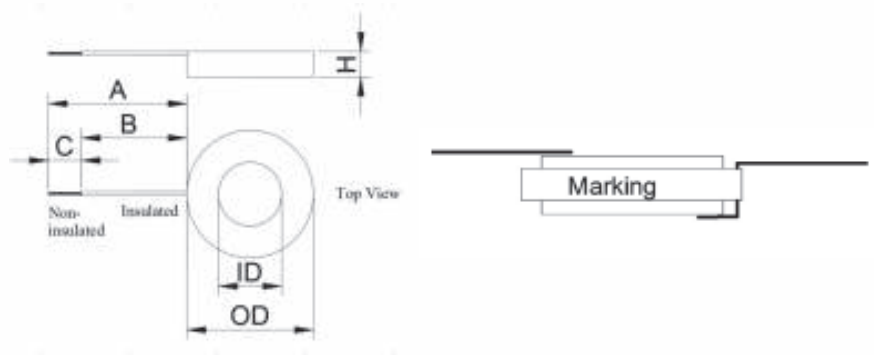
◆ Applications

- Filter applications



Pin	A	B
All	30±2	20±2

OD max	30,5 mm
ID min	15 mm
H max	15 mm
M max	21 g



Specifications for 1290-00 Series

Inductance	±20% at room temperature
Curie	+140° C
Current	Wire derate rms current according to ECSS-Q-ST-30-11

Derate	Additional current derating regarding inductance and temperature found in the table below.
Qualification	Space MIL-PRF-27 or ESCC

Part Number	Inductance [μH]	Max Current ECSS-Q-ST- 30-11C [A]	Current Derated for 45° temp rise from 85°C [A]	Wires	R-DC max at 85°C [mOhm]
12900001	309	20,00	10,74	2	5,8
12900002	391	17,08	7,88	2	7,9
12900003	584	14,31	5,22	2	12,0
12900004	696	11,97	3,82	2	16,4
12900005	947	10,00	2,62	2	23,8
12900006	1396	10,00	2,67	1	23,5
12900007	1744	8,54	1,96	1	32,0
12900008	2338	7,16	1,36	1	46,2
12900009	3019	5,98	0,95	1	65,8
12900010	4062	5,00	0,65	1	95,7
12900011	4946	4,19	0,47	1	132,7
12900012	6260	3,54	0,34	1	185,5
12900013	7728	3,02	0,25	1	253,2
12900014	9781	2,53	0,17	1	359,0
12900015	12563	2,12	0,12	1	511,9

Contact

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FLUX



Flux Std CM Toroide Series 1290-01

The Flux 1290-01 is a Space Qualified toroid based series of Differential Mode Inductors.


Flux design and manufacture in accordance with Generic Specification and ESCC Detail Specification 3201/013 as applicable to offered quality levels. ESA Certified Trainer certifies all operators.

Upon request, Flux performs additional services such as individual Qualification, LOT Validation, X-Ray, Partial Discharge etc. ESCC Qualified Parts do not require other services than ESCC Inspection.

◆ Benefits

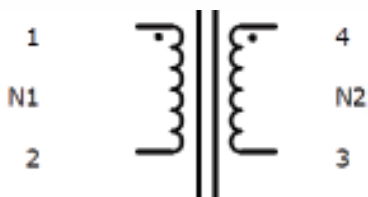
- Space qualified component
- Compact
- Through hole
- Frequency up to 100kHz
- $\pm 20\%$ inductance at room temperature
- Not Coated

◆ Quality levels:

- M: MIL/HiRel
- B: Flight models
LAT optional
- C: ESCC Qualified 
- S: Critical FM
MIL-STD-981
(Group A Screening,
Group B Test mandatory)

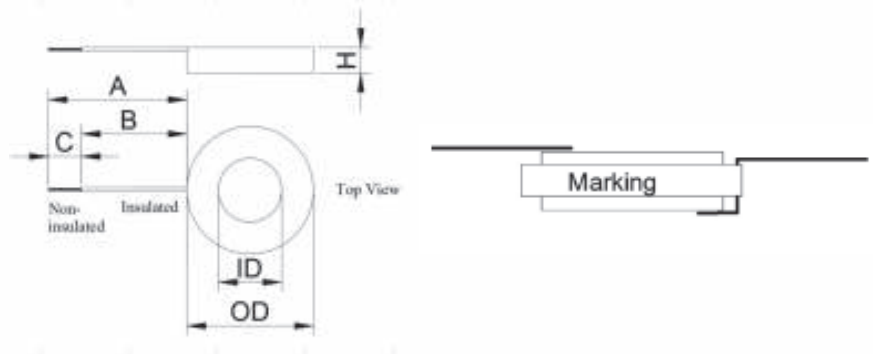
◆ Applications

- Filter applications



Pin	A	B
All	30±2	20±2

OD max	25,5 mm
ID min	13,5 mm
H max	13,5 mm
M max	13 g



FLUX

The information contained herein is proprietary to Flux A/S. The dissemination, use or duplication of this information for any purpose other than that for which the information is intended is prohibited.



Specifications for 1290-01 Series

Inductance	±20% at room temperature
Curie	+140° C
Current	Wire derate rms current according to ECSS-Q-ST-30-11

Derate	Additional current derating regarding inductance and temperature found in the table below.
Qualification	Space MIL-PRF-27 or ESCC

Part Number	Inductance [μH]	Max Current ECSS-Q-ST- 30-11C [A]	Current Derated for 45° temp rise from 85°C [A]	Wires	R-DC max at 85°C [mOhm]
12900101	206	20,00	14,26	2	4,4
12900102	269	17,08	10,35	2	6,0
12900103	340	14,31	7,43	2	8,4
12900104	420	11,97	5,36	2	11,7
12900105	605	10,00	3,60	2	17,4
12900106	823	10,00	3,79	1	16,5
12900107	1075	8,54	2,73	1	22,9
12900108	1361	7,16	1,95	1	32,1
12900109	1852	5,98	1,34	1	46,7
12900110	2419	5,00	0,94	1	66,8
12900111	3062	4,19	0,66	1	94,3
12900112	3780	3,54	0,48	1	129,9
12900113	4855	3,02	0,35	1	180,5
12900114	6065	2,53	0,25	1	253,9
12900115	7766	2,12	0,17	1	360,9

Contact

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FLUX



Flux Std DM Toroide Series 1290-50

The Flux 1290-50 is a Space Qualified toroid based series of Differential Mode Inductors.


Flux design and manufacture in accordance with Generic Specification and ESCC Detail Specification 3201/013 as applicable to offered quality levels. ESA Certified Trainer certifies all operators.

Upon request, Flux performs additional services such as individual Qualification, LOT Validation, X-Ray, Partial Discharge etc. ESCC Qualified Parts do not require other services than ESCC Inspection.

◆ Benefits

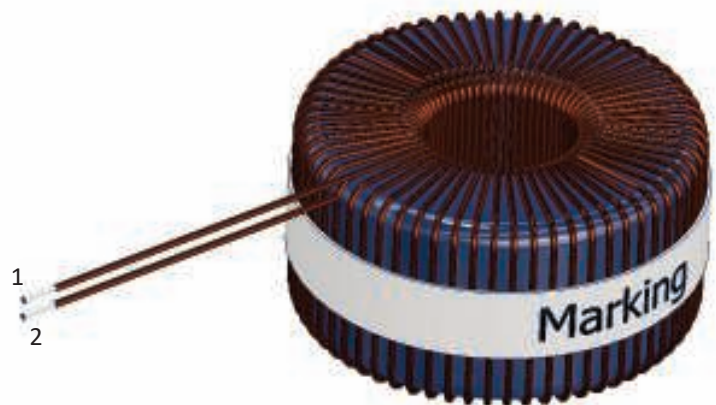
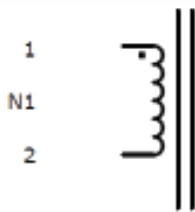
- Space qualified component
- Compact
- Through hole
- Frequency up to 300kHz
- $\pm 8\%$ inductance at room temperature
- $\pm 10\%$ inductance from -55 to $+125^{\circ}\text{C}$
- Not Coated

◆ Quality levels:

- M: MIL/HiRel
- B: Flight models
LAT optional
- C: ESCC Qualified 
- S: Critical FM
MIL-STD-981
(Group A Screening,
Group B Test mandatory)

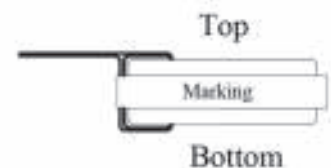
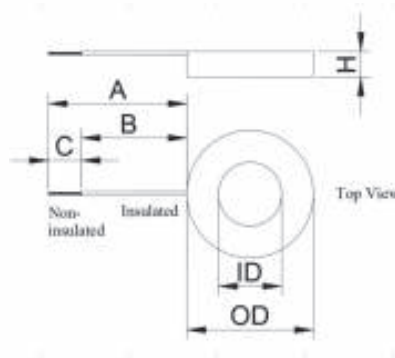
◆ Applications

- Filter applications



Pin	A	B
1, 2	30 \pm 2	20 \pm 2

OD max	22 mm
ID min	5 mm
H max	11 mm
M max	13,5 g

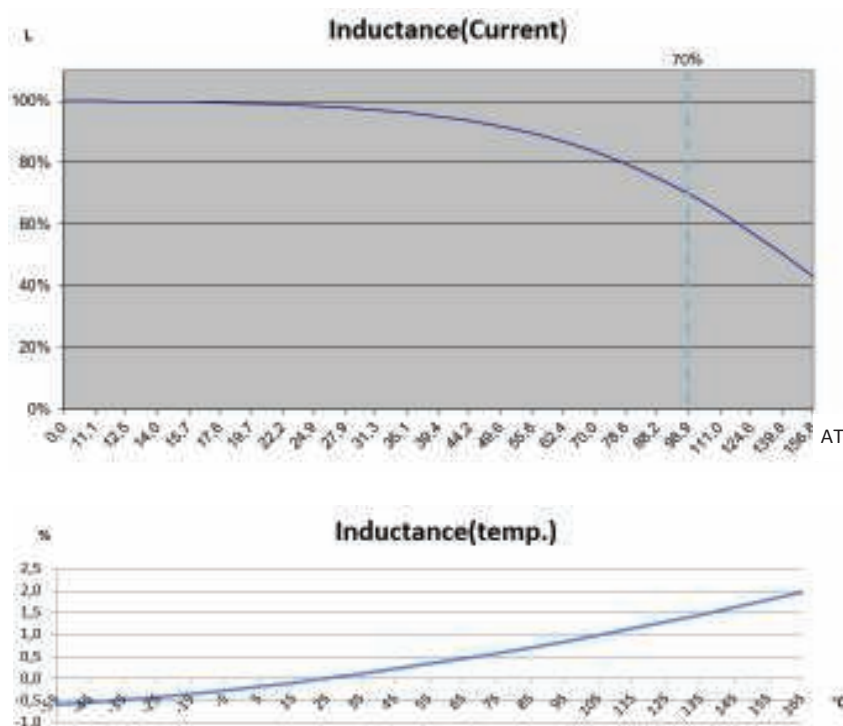


Specifications for 1290-50 Series

Inductance	±8% at room temperature ±10% from -55 to 125° C
Current	Wire derate rms current according to ECSS-Q-ST-30-11

Derate	Additional current derating regarding inductance and temperature found in the table below.
Qualification	Space MIL-PRF-27 or ESCC

Part Number	Inductance [μH]	Max Current ECSS-Q-ST-30-11C [A]	Current Derated for 45° temp rise from 85°C [A]	Wires	R-DC max at 85°C [mOhm]	DC Current at 90% inductance [A]	DC Current at 80% inductance [A]	DC Current at 70% inductance [A]
12905001	11,4	20,00	12,63	2	4,8	5,4	7,8	9,9
12905002	13,8	17,08	9,48	2	6,5	4,9	7,1	9,0
12905003	19,3	14,31	6,49	2	9,4	4,2	6,0	7,6
12905004	25,7	11,97	4,52	2	13,5	3,6	5,2	6,6
12905005	32,9	10,00	3,20	2	19,1	3,2	4,6	5,8
12905006	45,6	10,00	3,30	1	18,6	2,7	3,9	4,9
12905007	60,3	8,54	2,37	1	25,9	2,4	3,4	4,3
12905008	77,1	7,16	1,68	1	36,4	2,1	3,0	3,8
12905009	102,6	5,98	1,17	1	52,5	1,8	2,6	3,3
12905010	139,7	5,00	0,80	1	76,6	1,5	2,2	2,8
12905011	173,4	4,19	0,57	1	107,0	1,4	2,0	2,5
12905012	230,9	3,54	0,40	1	152,9	1,2	1,7	2,2
12905013	285,0	3,02	0,29	1	208,4	1,1	1,6	2,0
12905014	357,5	2,53	0,21	1	293,6	1,0	1,4	1,8
12905015	452,5	2,12	0,15	1	415,0	0,9	1,2	1,6



Contact

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FLUX



Flux Std DM Toroide Series 1290-51

The Flux 1290-51 is a Space Qualified toroid based series of Differential Mode Inductors.


Flux design and manufacture in accordance with Generic Specification and ESCC Detail Specification 3201/013 as applicable to offered quality levels. ESA Certified Trainer certifies all operators.

Upon request, Flux performs additional services such as individual Qualification, LOT Validation, X-Ray, Partial Discharge etc. ESCC Qualified Parts do not require other services than ESCC Inspection.

◆ Benefits

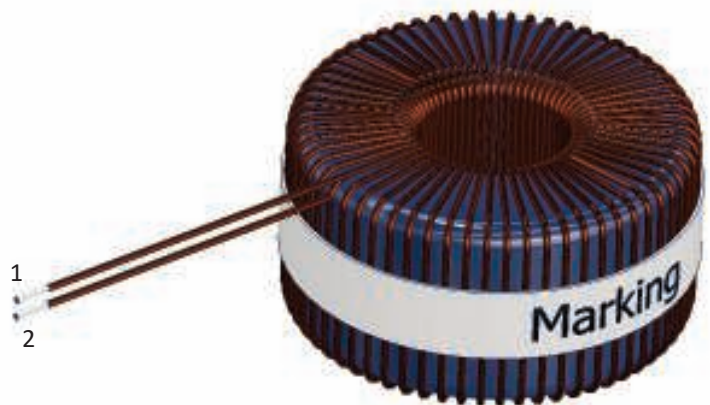
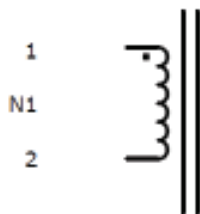
- Space qualified component
- Compact
- Through hole
- Frequency up to 100kHz
- $\pm 8\%$ inductance at room temperature
- $\pm 10\%$ inductance from -55 to $+125^{\circ}\text{C}$
- Not Coated

◆ Quality levels:

- M: MIL/HiRel
- B: Flight models
LAT optional
- C: ESCC Qualified 
- S: Critical FM
MIL-STD-981
(Group A Screening,
Group B Test mandatory)

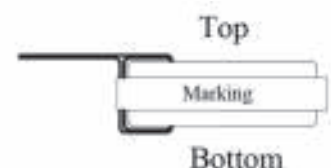
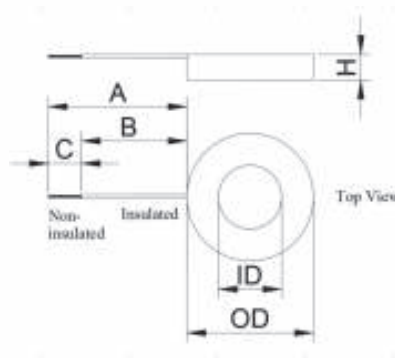
◆ Applications

- Filter applications



Pin	A	B
1, 2	30 \pm 2	20 \pm 2

OD max	22 mm
ID min	5 mm
H max	11 mm
M max	13 g

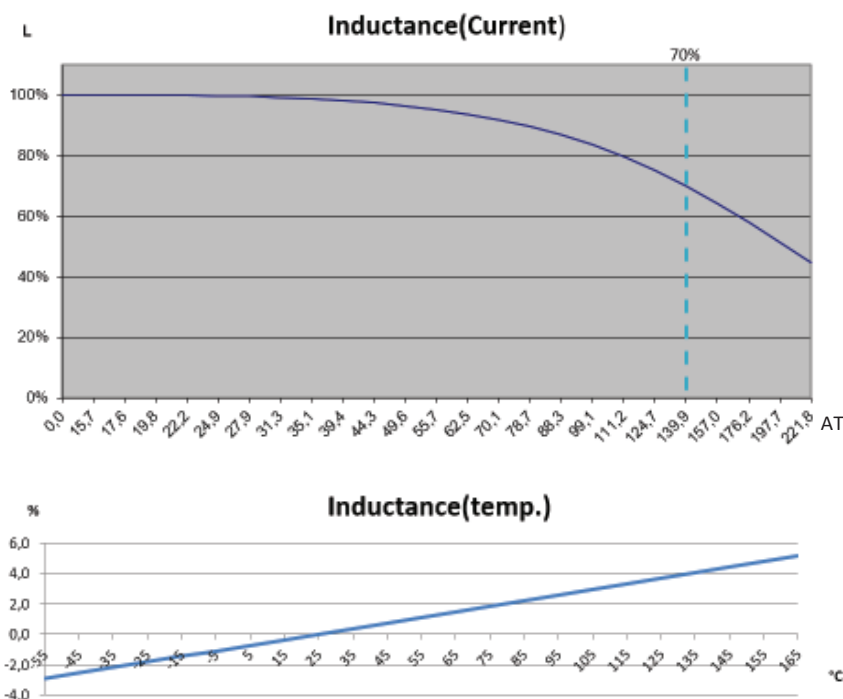


Specifications for 1290-51 Series

Inductance	±8% at room temperature ±10% from -55 to 125° C
Current	Wire derate rms current according to ECSS-Q-ST-30-11

Derate	Additional current derating regarding inductance and temperature found in the table below.
Qualification	Space MIL-PRF-27 or ESCC

Part Number	Inductance [μH]	Max Current ECSS-Q-ST-30-11C [A]	Current Derated for 45° temp rise from 85°C [A]	Wires	R-DC max at 85°C [mOhm]	DC Current at 90% inductance [A]	DC Current at 80% inductance [A]	DC Current at 70% inductance [A]
12905101	11,4	20,00	12,63	2	4,8	7,7	11,0	14,0
12905102	13,8	17,08	9,48	2	6,5	7,0	10,0	12,7
12905103	19,3	14,31	6,49	2	9,4	5,9	8,5	10,8
12905104	25,7	11,97	4,52	2	13,5	5,1	7,3	9,3
12905105	32,9	10,00	3,20	2	19,1	4,5	6,5	8,2
12905106	45,6	10,00	3,30	1	18,6	3,9	5,5	7,0
12905107	60,3	8,54	2,37	1	25,9	3,3	4,8	6,1
12905108	77,1	7,16	1,68	1	36,4	3,0	4,2	5,4
12905109	102,6	5,98	1,17	1	52,5	2,6	3,7	4,7
12905110	139,7	5,00	0,80	1	76,6	2,2	3,1	4,0
12905111	173,4	4,19	0,57	1	107,0	2,0	2,8	3,6
12905112	230,9	3,54	0,40	1	152,9	1,7	2,4	3,1
12905113	285,0	3,02	0,29	1	208,4	1,5	2,2	2,8
12905114	357,5	2,53	0,21	1	293,6	1,4	2,0	2,5
12905115	452,5	2,12	0,15	1	415,0	1,2	1,7	2,2



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FLUX



Flux Std DM Toroide Series 1290-52

The Flux 1290-52 is a Space Qualified toroid based series of Differential Mode Inductors.


Flux design and manufacture in accordance with Generic Specification and ESCC Detail Specification 3201/013 as applicable to offered quality levels. ESA Certified Trainer certifies all operators.

Upon request, Flux performs additional services such as individual Qualification, LOT Validation, X-Ray, Partial Discharge etc. ESCC Qualified Parts do not require other services than ESCC Inspection.

◆ Benefits

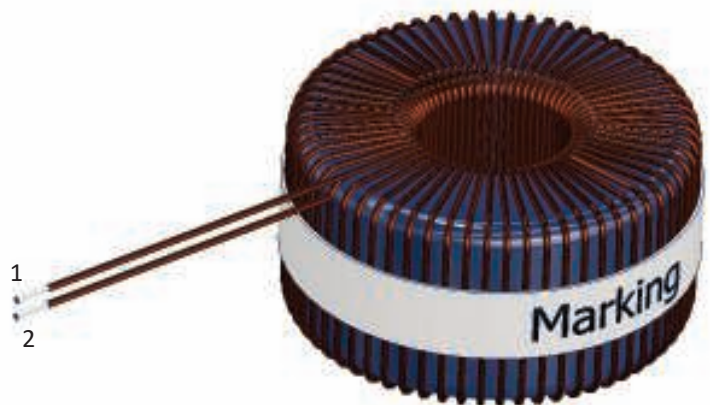
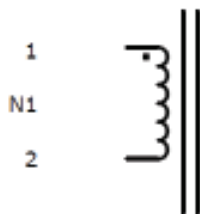
- Space qualified component
- Compact
- Through hole
- Frequency up to 300kHz
- $\pm 8\%$ inductance at room temperature
- $\pm 10\%$ inductance from -55 to $+125^{\circ}\text{C}$
- Not Coated

◆ Quality levels:

- M: MIL/HiRel
- B: Flight models
LAT optional
- C: ESCC Qualified 
- S: Critical FM
MIL-STD-981
(Group A Screening,
Group B Test mandatory)

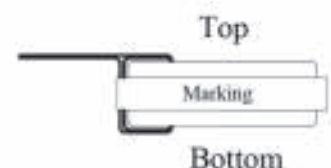
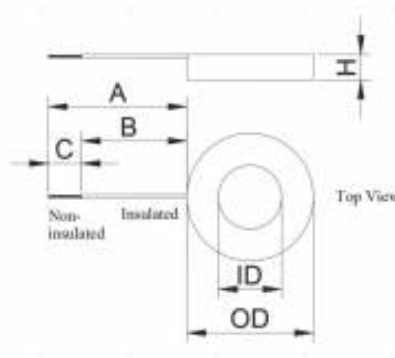
◆ Applications

- Filter applications



Pin	A	B
1, 2	30 \pm 2	20 \pm 2

OD max	27,5 mm
ID min	9 mm
H max	12,5 mm
M max	25 g

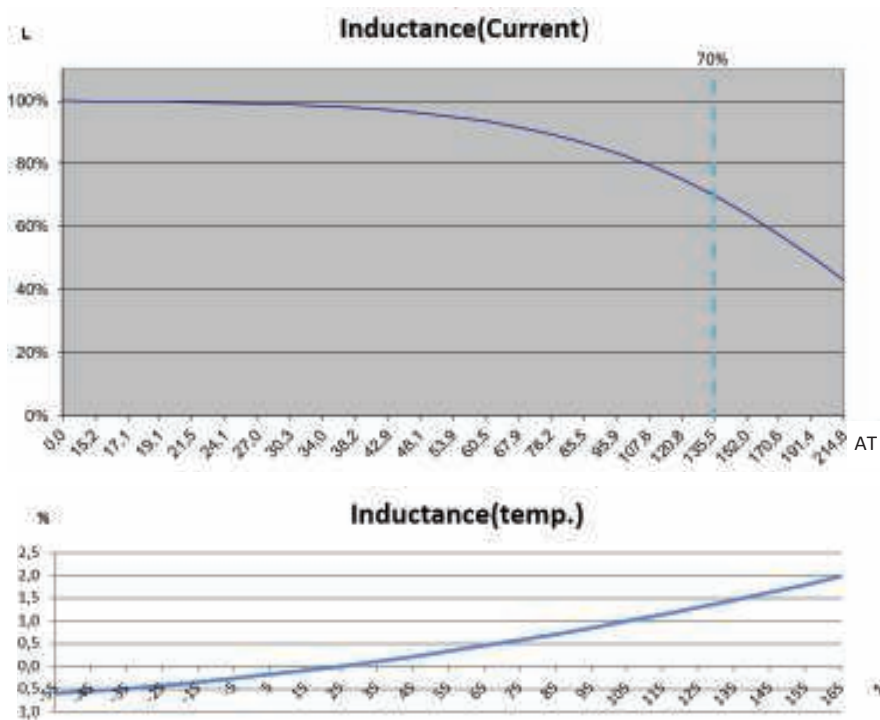


Specifications for 1290-52 Series

Inductance	±8% at room temperature
	±10% from -55 to 125° C
Current	Wire derate rms current according to ECSS-Q-ST-30-11

Derate	Additional current derating regarding inductance and temperature found in the table below.
Qualification	Space MIL-PRF-27 or ESCC

Part Number	Inductance [μH]	Max Current ECSS-Q-ST- 30-11C [A]	Current Derated for 45° temp rise from 85°C [A]	Wires	R-DC max at 85°C [mOhm]	DC Current at 90% inductance [A]	DC Current at 80% inductance [A]	DC Current at 70% inductance [A]
12905201	29,4	20,00	7,18	2	8,5	4,6	6,7	8,5
12905202	37,3	17,08	5,25	2	11,7	4,1	5,9	7,5
12905203	50,7	14,31	3,62	2	16,9	3,5	5,1	6,5
12905204	60,8	11,97	2,64	2	23,2	3,2	4,6	5,9
12905205	83,8	10,00	1,80	2	34,0	2,8	3,9	5,0
12905206	125,2	10,00	1,79	1	34,2	2,3	3,2	4,1
12905207	157,4	8,54	1,31	1	46,7	2,0	2,9	3,7
12905208	202,9	7,16	0,92	1	66,2	1,8	2,5	3,2
12905209	254,0	5,98	0,66	1	92,9	1,6	2,3	2,9
12905210	335,3	5,00	0,46	1	133,9	1,4	2,0	2,5
12905211	427,9	4,19	0,32	1	190,0	1,2	1,7	2,2
12905212	531,8	3,54	0,23	1	263,0	1,1	1,6	2,0
12905213	664,2	3,02	0,17	1	361,1	1,0	1,4	1,8
12905214	830,9	2,53	0,12	1	508,9	0,9	1,3	1,6
12905215	1059,8	2,12	0,08	1	723,1	0,8	1,1	1,4



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