

Current sense Transformer - CT01 100 261x



- Materials meet UL94V-0 rating
- Global accuracy $\pm 10\%$
- Applied standards:
ESCC-3201 generic (including MIL-STD-202) / ECSS-Q-ST-70-02C
and ESCC 3201 generic specification for space products
- Frequency range 10 kHz to 250 kHz
- Operating temperature range: -55°C to $+125^{\circ}\text{C}$
- Suited for IR and vapor reflow soldering
- Weight: < 2 grams

Electrical Data (25°C)

ID Code	DCR _{1-3/2-4} m Ω $\pm 15\%$	DCR _{5-7/6-8} Ω $\pm 15\%$	L _{1/1-3} μH $\pm 40\%$	Insulation 500VDC
CT01 100 261 x	2.5	1	3.9	$> 16\Omega$

Turn ratio	Schematic	I _p	I _s (Vs=1V)	Z load
1/100		3,5 A	35 mA	33 Ω
1/50		3,5 A	70 mA	15 Ω

Notes

Typical performances at $+25^{\circ}\text{C}$
Storage Temperature -55°C to $+170^{\circ}\text{C}$ - 10 mn Max

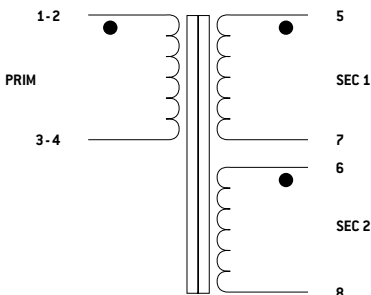
Application

Current detection/measurement for PWM control
[I_{sense}] in High-Rel. SMPS

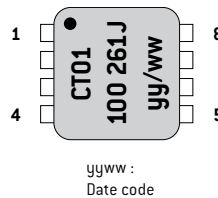
To Order

CT01 100	261	CT01 100 261 x
Range	Range	x = J J leaded x = W W Terminals

Connections



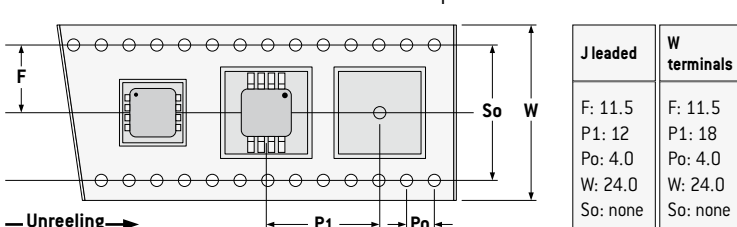
Marking



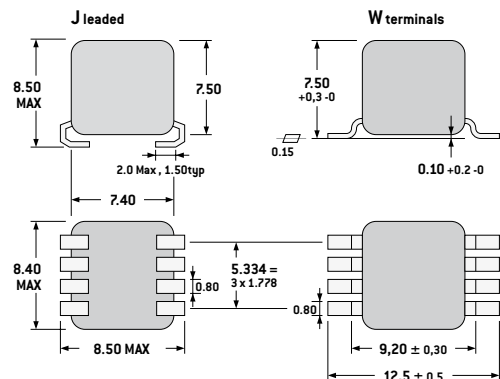
Packaging

Tape and Reel:

J leaded - 600 units per reel of diameter 330 mm
W terminals - 400 units per reel of diameter 330 mm



Dimensions (mm)



PCB Layout (mm)

