

**62041 1N5765 JAN AND JANTX QUALIFIED,  
HERMETIC LED INDICATOR**



11/12/2014

**Features:**

- Hermetically sealed
- Red diffused dome
- Wide viewing angle
- Designed for Hi-Reliability applications
- DLA qualified to MIL-PRF-19500/467

**Applications:**

- P.C. Board Fault Indicator
- Logic Status Indicator
- Binary Data Display
- Power supply on/off indicator

**DESCRIPTION**

The **1N5765** indicator is hermetically sealed in a TO-46 package. A tinted diffused dome lens provides good on/off contrast and a wide viewing angle. The 1N5765 indicator utilizes a high efficiency GaAsP on GaP LED, and a colored diffused plastic lens over a glass window. Available in standard, JAN or JANTX screened levels.

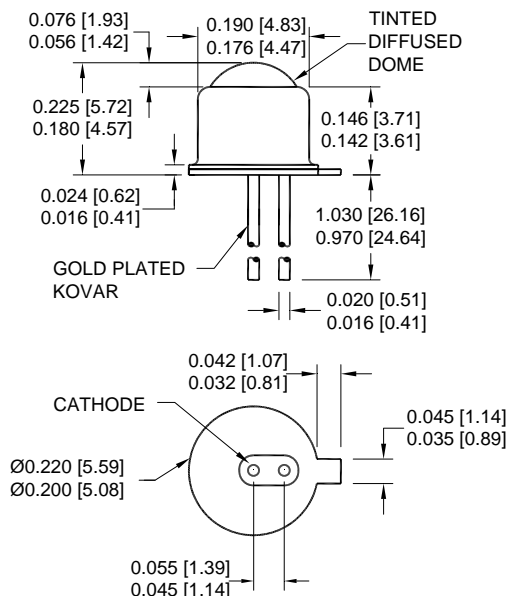
**ABSOLUTE MAXIMUM RATINGS**

Reverse Voltage .....	4 Vdc
Power Dissipation (Note 1) .....	120 mW
Forward Current-Continuous (Note 2) .....	50 mA
Storage Temperature.....	-65°C to +100°C
Operating Temperature .....	-55°C to +100°C
Lead Soldering Temperature (10 seconds, 1/16" from case) .....	260°C

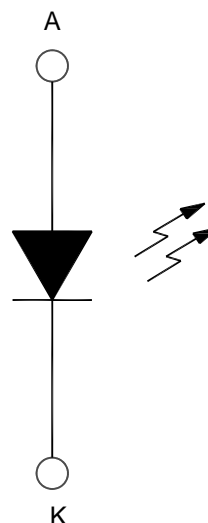
**NOTES :**

1. Derate at the rate of 1.6 mW/°C above 50°C.
2. Derate at the rate of 0.67 mA/°C above 25°C.

**Dimensions**



**Schematic Diagram**



ALL DIMENSIONS ARE IN INCHES [MILLIMETERS]

Micropac Industries cannot assume any responsibility for any circuits shown or represent that they are free from patent infringement. Micropac reserves the right to make changes at any time in order to improve design and to supply the best product possible.

62041

1N5765

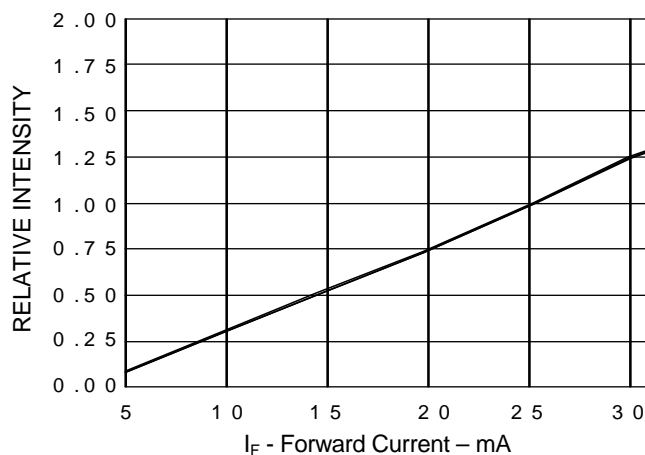
JAN AND JANTX QUALIFIED, HERMETIC LED INDICATOR

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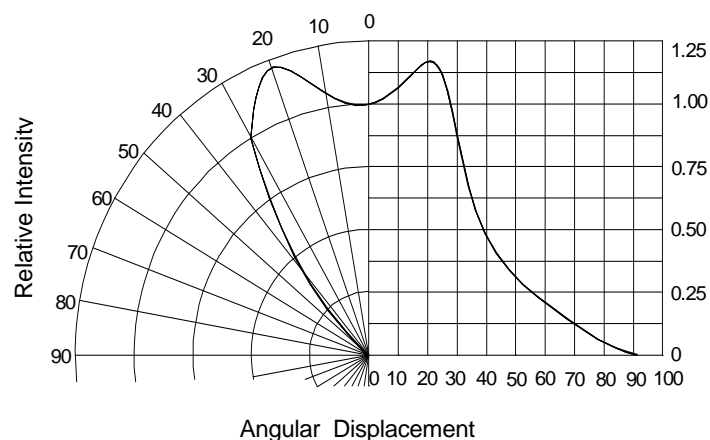
ELECTRICAL/OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$ 

PART NUMBER	COLOR	TEST CONDITION	PARAMETER LIMITS				
		$I_F$	PEAK $\lambda$	$I_{V1} \theta = 0^{\circ}$	$I_{V2} \theta = 30^{\circ}$	$V_F$	C
		mA	TYP.	MIN.	MIN.	MAX.	MAX.
62041-XXX	RED	20	660	0.6 mcd	0.3 mcd	1.9 V	100 pF

Relative Luminous Intensity  
vs  
Forward Current  
(Normalized at 20 mA)



Relative Luminous Intensity  
vs.  
Angular Displacement



## RECOMMENDED OPERATING CONDITIONS:

PARAMETER	SYMBOL	MIN	MAX	UNITS
Forward	$I_F$	20	50	mA
Operating Temperature	$T_A$	-55	+100	$^{\circ}\text{C}$

## SELECTION GUIDE

PART NUMBER	PART DESCRIPTION	CONTROLLING MIL DOCUMENT
62041-101	Commercial	1N5765
62041-102	JAN Screened	JAN1N5765
62041-103	JANTX Screened	JANTX1N5765

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