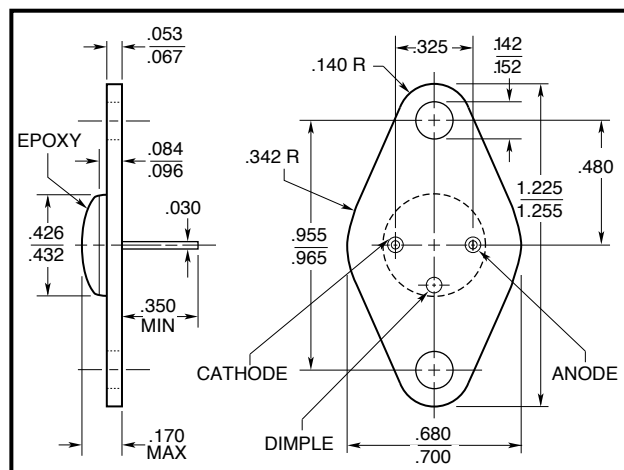




FEATURES

- 45 Lumens typical
- 520nm emission
- TO-66 header for good heat dissipation
- Electrically isolated case

All surfaces are gold plated. Dimensions are nominal values in inches unless otherwise specified.

ELECTRO-OPTICAL CHARACTERISTICS AT 25°C

PARAMETERS	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Luminous Output	$I_F = 300\text{mA}$	38	45		Lumens
Dominant Wavelength, λ_D	$I_F = 50\text{mA}$		520		nm
Spectral Bandwidth at 50%, $\Delta\lambda$			40		nm
Half Intensity Beam Angle, θ			120		Deg
Forward Voltage, V_F	$I_F = 300\text{mA}$		16.5	20	Volts
Reverse Breakdown Voltage, V_R	$I_F = 10\mu\text{A}$	5			Volts

ABSOLUTE MAXIMUM RATINGS AT 25°C CASE

Power Dissipation ¹	6W
Continuous Forward Current	300mA
Peak Forward Current (10 μs , 400Hz) ²	1A
Reverse Voltage	5V

THERMAL PARAMETERS

Storage and Operating Temperature Range	-40°C to +100°C
Lead Soldering Temperature (1/16" from case for 10 sec)	240°C
Thermal Resistance Junction - Air	60°C/W Typical
Thermal Resistance Junction - Case	16°C/W Typical

¹Derate per appropriate thermal resistance value.

² Derate linearly above 25°C.