



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



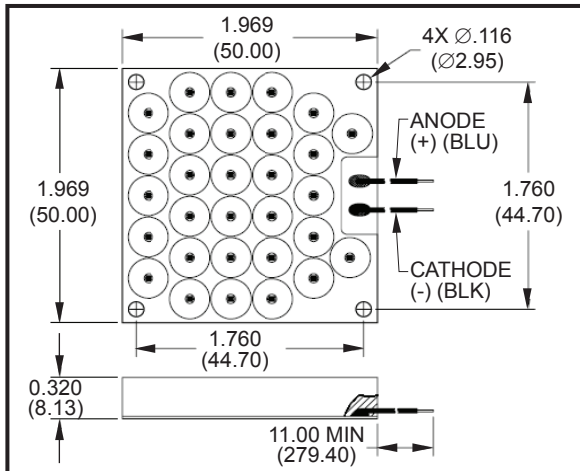
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FEATURES

- 30° beam angle
- Excellent thermal conductivity
- High efficiency

Warning: Unit contains Beryllia. Do not crush, drill, or abrade. The dust resulting from such action may be Hazardous to your Health.

Dimensions are in inch (metric) units.



ELECTRO-OPTICAL CHARACTERISTICS AT 25°C (CASE TEMP¹)

PARAMETERS	TEST CONDITIONS	MIN	TYP	MAX	UNITS	
Total Power Output, P _o	I _F = 3A	7	9		W	
	I _F = 6A		16		W	
Peak Emission Wavelength, λ _p	I _F = 3A	840	855	865	nm	
Spectral Bandwidth at 50%, Δλ			45		nm	
Half Intensity Beam Angle, θ				30		Deg
Forward Voltage, V _F				13	17	Volts

ABSOLUTE MAXIMUM RATINGS AT 25°C

Continuous Forward Current	6A
Power Dissipation	102W
Reverse Voltage	5V

THERMAL PARAMETERS

Storage Temperature Range	-40°C TO 125°C
Operating Temperature Range	-20°C TO 100°C
Maximum Junction Temperature	125°C
Thermal Resistance Junction-Case R _{THJC}	0.8°C/W Typical

¹ As measure at center of backside of the package.

Mounting Notes:

- Item must be mounted to an adequate heat sink for maximum performance. Do not exceed the maximum junction temperature. Permanent damage may result.
- Array may be held using 4-40 screws to a maximum torque of 48 in/oz through the 4 holes on the unit.
- Thermal tape, pad or grease may be required if the heat sink surface is not polished flat.
- Unit must be powered with a low impedance current controlled source. Direct voltage application without current control will permanently damage the unit.

