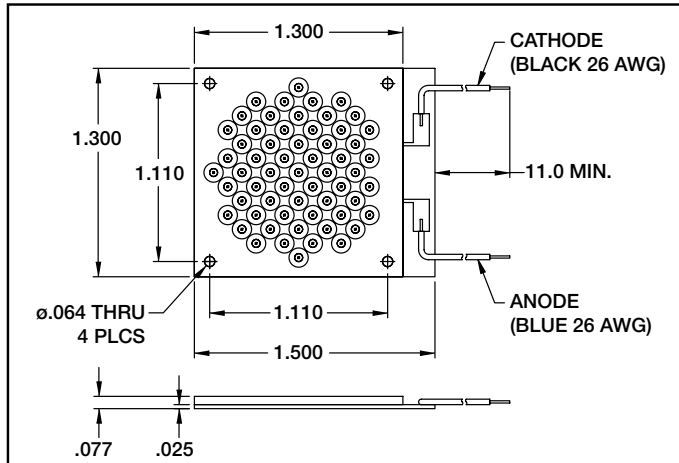


60 DIE LED ARRAY



FEATURES

- 40° beam angle
- Excellent thermal conductivity
- Available wavelengths from 405 to 870nm
- Higher temperature versions available

ELECTRO-OPTICAL CHARACTERISTICS AT 25°C

Part Number	Power Output (mW)		Luminous Output (Lumens)	Forward Voltage (Vf)@0.5A		Wavelength (nm)@0.5A	Radiation Beam Angle (Deg)	Rise Time (nsec)
	Min	Typ	Typ	Typ	Max	Typ	Typ	Typ
OD-405-60-040	900 ¹	1150 ¹		11.0	13.0	405	40	40
OD-470-60-040	1300 ¹	1400 ¹		11.0	13.0	470	40	50
OD-525-60-040	600 ¹	900 ¹	170 ¹	11.0	13.0	525	40	50
OD-610-60-040	350 ²	430 ²	120 ²	12.0	15.0	610	40	80
OD-830-60-040	1900 ¹	2200 ¹		9.0	12.0	830	40	60
OD-870-60-040	1900 ¹	2200 ¹		9.0	12.0	870	40	60

ABSOLUTE MAXIMUM RATINGS AT 25°C³

Part Number	Power Dissipation (W)	Max Current (A)
OD-405-60-040	13.00	1.00
OD-470-60-040	13.00	1.00
OD-525-60-040	13.00	1.00
OD-610-60-040	7.50	0.50
OD-830-60-040	12.00	1.00
OD-870-60-040	12.00	1.00

THERMAL PARAMETERS

Storage and Operating Temperature Range	-55°C TO 100°C
Maximum Junction Temperature	100°C
Thermal Resistance J-C	3°C/W Typical

¹ @1.0 ADC

² @0.50 ADC

³ Unit must be bonded to an appropriate heat sink using adhesive, < 0.002" thick, with Thermal Conductivity of 29W/mK or better.

60 DIE LED ARRAY

