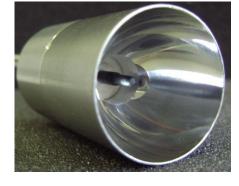


Mini Infrared Source Series 18









IR-18-P Parabolic Reflector

IR-18-E Elliptical Reflector

- Silicon Nitride Emitter mounted in an Parabolic Reflector or an Elliptical Reflector
- Robust and Efficient
- 1150°C High Output Design

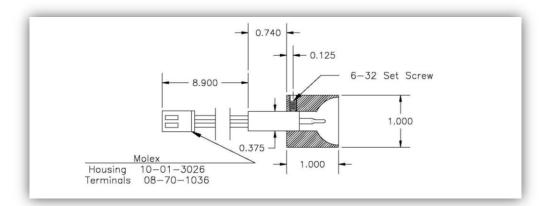
The IR-18 Series is designed for those customers who require higher temperatures and greater output from their infrared source. These emitters are manufactured using a patented silicon nitride material. The advanced ceramic technology ensures a very stable product. Their robust design ensures intrinsic physical and thermal strength. When operated at 12 volts/18 watts the IR-18 reaches 1150°C.

The IR-18-P emitters are mounted in a 1 inch parabolic reflector for extremely efficient collimation of energy. The IR-18-E emitters are mounted in a 1 inch elliptical reflector with an external focal point that is 1/2 inch in front of the clear aperture.

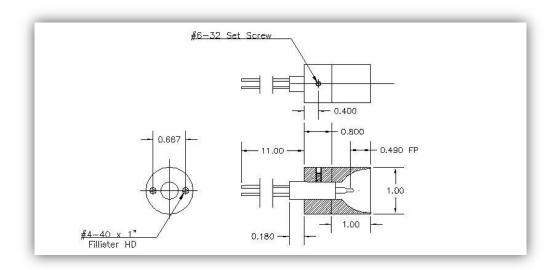


Recommended Operating Parameters

	IR-18
Voltage	12.0 volts (AC or DC)
Temp	1150° C
Current	1.5 amperes
Power	18.0 watts
Life	5000 Hours at 12 volts
Emissivity	0.75
Active Area	1.5 mm dia. X 4.1 mm



IR-18-P (all dimensions in inches)



D-A-CH

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FRANCE - Photonic

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IBERIA

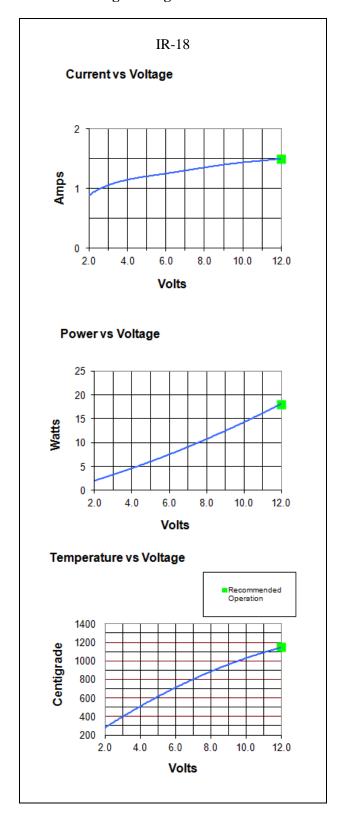
Laser 2000 SAS 28034 Madrid Tel. +34 650 529 806 info@laser2000.es www.laser2000.es

NORDICS

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Engineering Data Charts

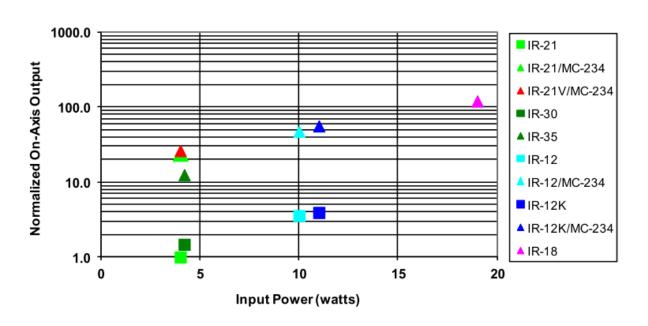


3

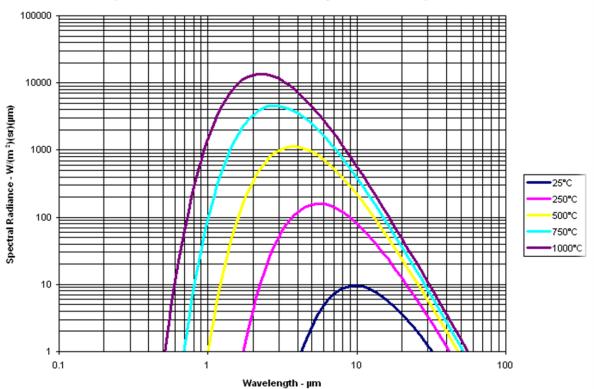
Laser 2000 SAS 28034 Madrid Tel. +34 650 529 806 info@laser2000.es www.laser2000.es Laser 2000 GmbH 112 51 Stockholm Tel. +46 8 555 36 235 info@laser2000.se www.laser2000.se



Relative On-Axis Output vs Input Power







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