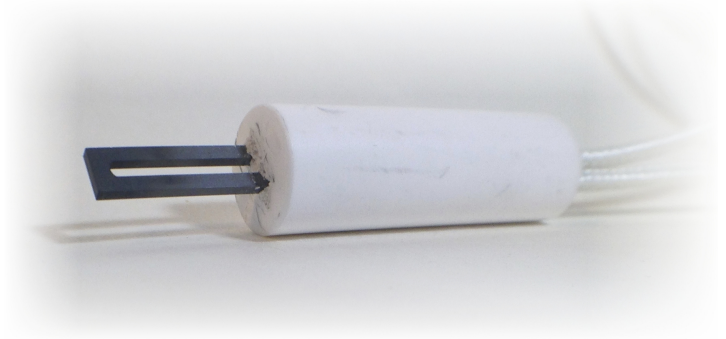


IR-Si217 Emitter Datasheet

The IR-Si series emitters are designed to supply higher temperatures and greater output compared to other IR sources. The patented silicon nitride or silicon carbide material ensures a robust design.



Recommended (Maximum) Operating Parameters

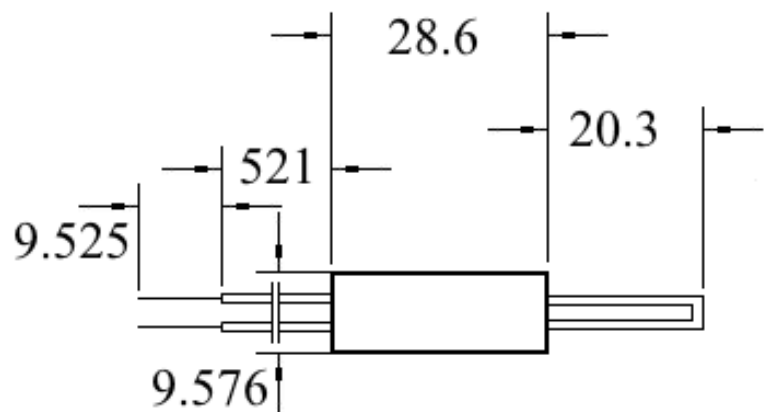
Voltage, V	24	(28)
Temperature °C	1385	(1500)
Current, A	1.5	(1.77)
Power, W	37	(49.56)

Properties at Recommended Parameters

Life	5,000+ Hours
Emissivity, %	80
Active Area (mm)	6 (W) X 4.4 (L)
Material	Silicon Carbide

IR-Si series emitters can be paired with elliptical or parabolic reflectors for a significantly more efficient collimation of energy. Windows are also available for specific transmitting ranges.

Note: All dimensions in mm



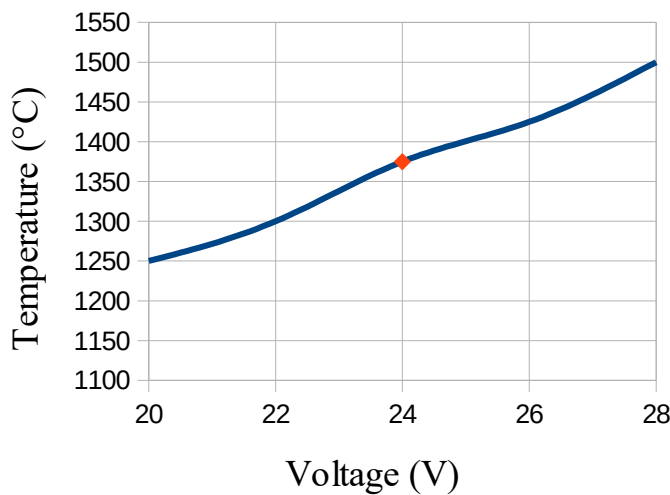
Contact Information:

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www.boselec.com
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 +1.617.566.3821

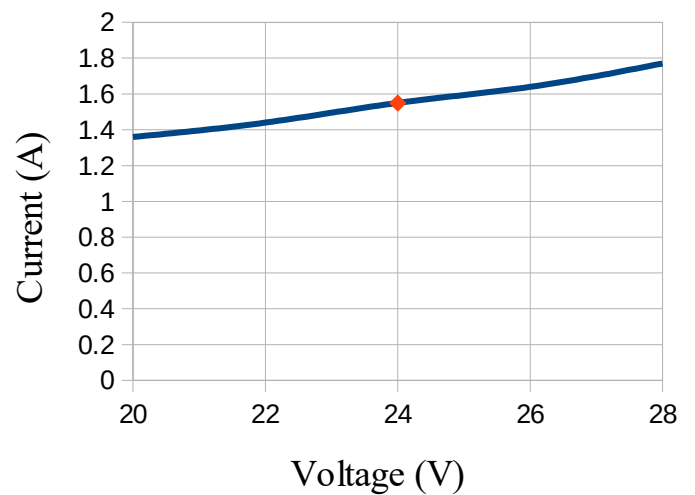
Sample Data Points

V	20.00	22.00	24.00	26.00	28.00
A	1.36	1.44	1.55	1.64	1.77
W	27.20	31.68	37.20	42.64	49.56
°C	1250	1300	1375	1425	1500

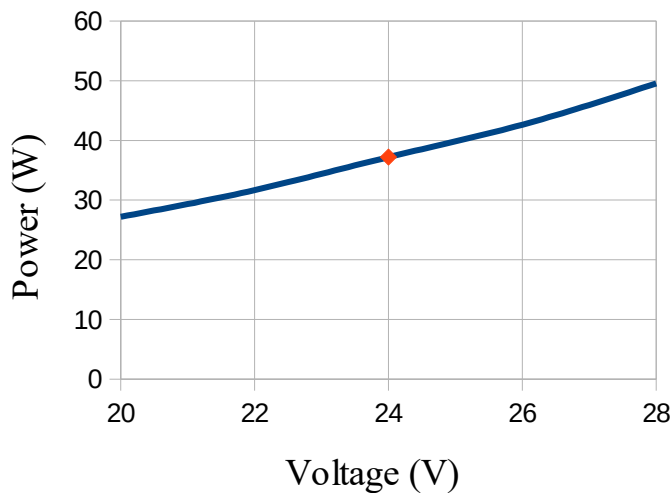
Temperature vs. Voltage



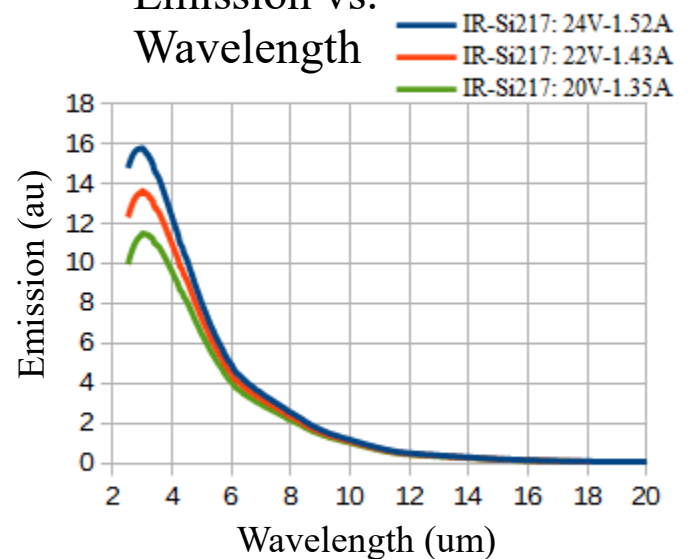
Current vs. Voltage



Power vs. Voltage



Emission vs. Wavelength



◆: Nearing Maximum Operating Parameters