

5mW 830nm VCSEL Miniature TO Can PCW-TOM-005-W0830-D40



- Vertical-Cavity Surface-Emitting Laser technology
- High electrical-optical conversion efficiency
- Miniature TO package of 2mm in diameter
- Customer specified beam divergence

Optical & Electrical Characteristics

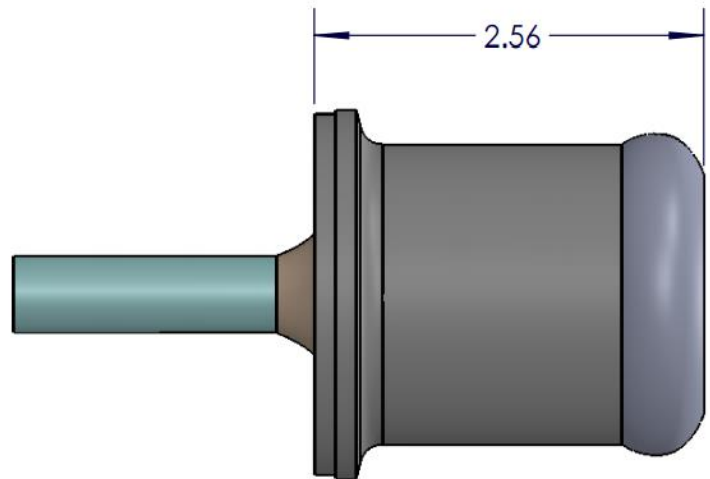
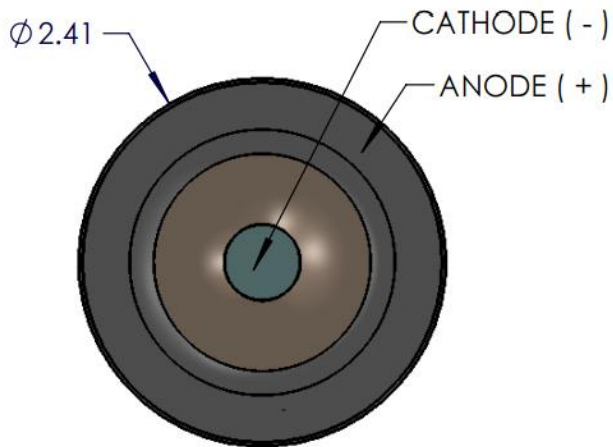
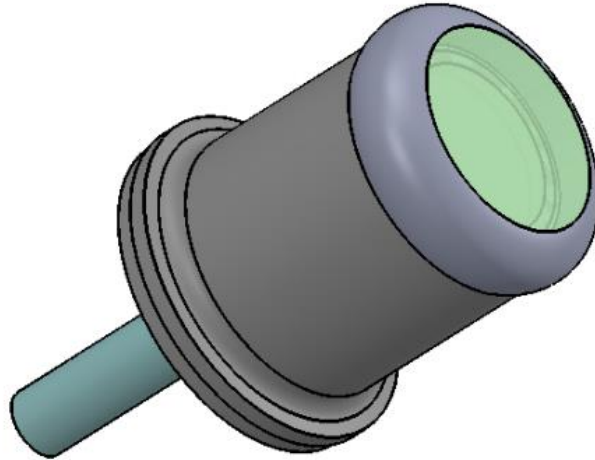
PARAMETER	CONDITIONS	MIN	MAX	UNIT
Wavelength	6mA, 20°C Heat-sink	820	840	nm
Threshold current	20°C Heat-sink	0.5	1.5	mA
Forward voltage	6mA, 20°C Heat-sink	1.9	2.2	V
CW Output power	6mA, 20°C Heat-sink	4.5	6.0	mW
Power conversion efficiency	6mA, 20°C Heat-sink	37	60	%
Beam divergence	6mA, 20°C Heat-sink	35	45	°

Ordering Information

PCW – TOM – 005 – W0830 – D40

Heat-spreader Type ┌ ┌ Wavelength (nm)
└ └ CW Output Power (W)

Mechanical Characteristics (mm)



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Laser diode product components are intended for use in a user-devised end system. However, these products are capable of emitting Class IV radiation. Extreme care must be exercised during their operation. Only persons familiar with the appropriate safety precautions should operate a laser product. Directly viewing the laser beam or exposure to specular reflections must be avoided. Serious injury may result if any part of the body is exposed to the beam. The eye is extremely sensitive to the infrared radiation and therefore, proper eye-wear must be worn at all times. Use of optical instruments with these products may increase eye hazard. Always wear eye protection when operating.



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