

NEW

High-Power 940 nm Multimode Laser

Chip on submount / F package

915, 975nm Available



Product Specifications at 25°C

Type	OE940G4 Series		
Model No.	940042412		
Operating light output	P _o	W	15
Center wavelength	λ _c	nm	940
Emitter aperture width	W _a	um	100
Cavity Length	L	mm	6
Threshold current	I _{th}	A	1.2
Slope efficiency	η _s	W/A	1.0
Operating current	I _{op}	A	18
Operating voltage	V _{op}	V	1.8
Spectral width	Δλ	nm	3
Spectral temperature shift	dλ/dT	nm/K	0.3
Far-field parallel FWHM	θ _{//}	deg.	10
Far-field perpendicular FWHM	θ _⊥	deg.	26
Polarization			TE

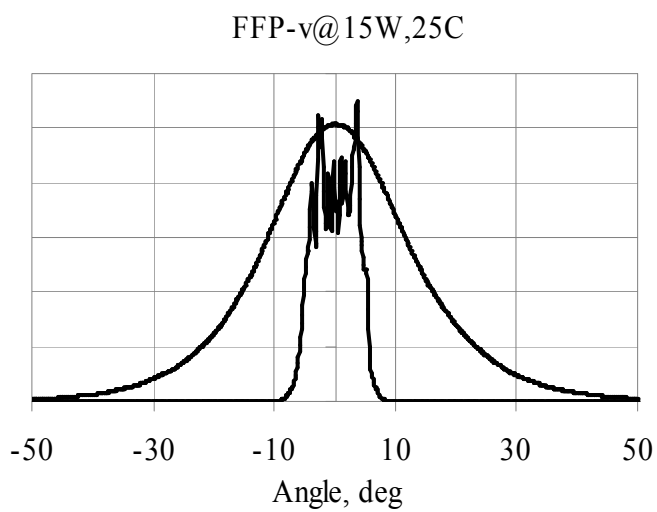
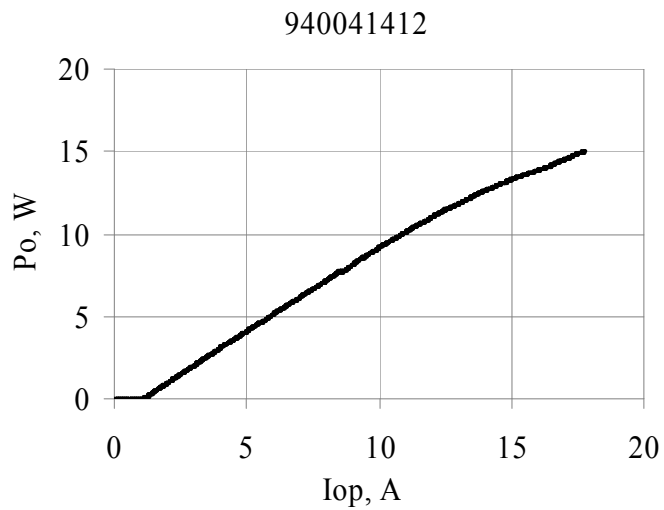
Absolute Maximum Ratings

			min	max		
Forward current	I _{max}	A	-	20.0	OE940G4	100u aperture
Reverse voltage	V _{rmax}	V	-	2.0		
Operating temperature	T _{op}	°C	-20	50	non condensing	
Process temperature	T _{pr}	°C	-	250	5s, Chip on submount	
ESD		V	-	500	Human Body Model	

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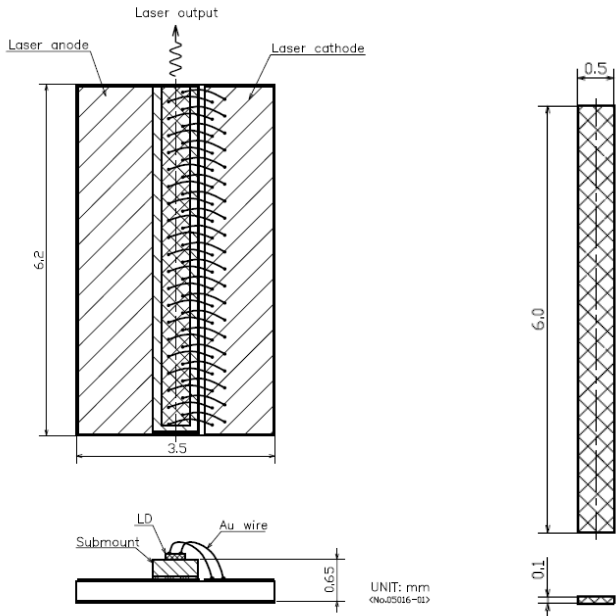
Typical Characteristics

L-I / FFP

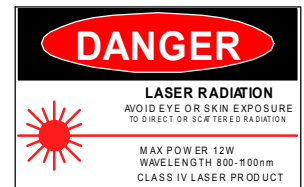
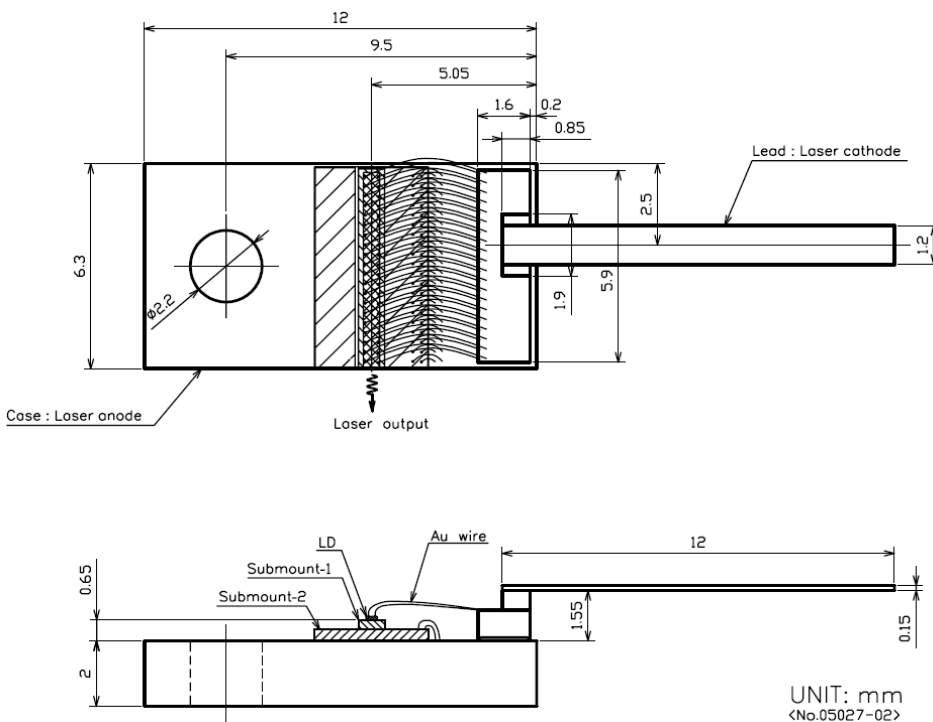


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Package COS



F-package



Caution

This laser emits invisible radiation which may be harmful to the eyes. Avoid direct or reflected light from this device. Because of the small size of these devices, each of the labels is attached to the individual shipping container.