

Infrared Laser Diode FWSL-1720-1W-TO3-MM

PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V _r	2.0	V
Operating Temperature	T _{op}	+10~+30	°C
Storage Temperature	T _{stg}	-20~+80	°C
Lead soldering temperature (10 sec.)	T _{is}	260	°C
Features: 1720nm 1W Power - TO3 Package - FAC Lens Optional (Square or Line Beam)			
Applications: - Medical Laser Treatment - Others			
Specifications			
	Min	Type	Max
Center Wavelength@25℃	±10nm	1720nm	±30nm
Spectral Width (FWHM)	----	7.0nm	10.0nm
Output Power	----	1W	----
Emitter Area	----	85x1μm	----
Beam Divergence (With FAC Lens)	----	10°⊥ x 35°//	----
Temperature Coefficient of Wavelength	----	0.7nm / °C	----
Slope Efficiency	0.5W/A	----	----
Threshold Current (Typ.)	----	0.4A	0.7A
Operating Current (Typ.)	----	4.0A	4.5A
Operating Voltage	----	1.7V	1.9V
Package Style	TO3		
Recommended Operating Temperature	25℃		

TO3 Package View