

850nm 300mw Laser Diode

Reverse Voltage	V_r	2	V
Operating Temperature	T_{op}	-10~+50	°C
Storage Temperature	T_{stg}	-40~+85	°C
Lead soldering temperature (10 sec.)	T_{is}	260	°C

Specifications			
	Min	Type	Max
Center Wavelength@25°C	840nm	850nm	860nm
Spectral Width (FWHM)	----	2.0nm	----
Output Power	----	300mW	----
Beam Type	Multimode		
Beam Divergence (FWHM)	----	$18^{\circ}_{\perp} \times 12^{\circ}_{//}$	$28^{\circ}_{\perp} \times 20^{\circ}_{//}$
Monitor Current	----	500uA	----
Slope Efficiency	----	0.9mW/mA	----
Threshold Current (Typ.)	----	120mA	150mA
Operating Current (Typ.)	----	430mA	460mA
Operating Voltage	----	1.85V	2.2V
Package Style	TO18		
Photodiode	Built-in		

