

Item Number: 8807-0022**Item Description: 793nm, 40W, 200um fiber-pigtailed diode laser module**

	Unit	Min	Typical	Max
Optical				
Nominal CW Output Power	W	40.0	-	-
Wavelength	nm	790	793	796
Spectral Width (FWHM)	nm	-	4.0	-
Wavelength Temperature Coefficient	nm/° C	-	0.3	-
Slope Efficiency	W/A	-	6.5	-
Power Conversion Efficiency	%	-	45	-
Electrical				
Operating Current	A	-	7.5	8.5
Threshold Current	A	-	1.1	1.4
Maximum Operating Voltage	V	-	13	14
Maximum Reverse Voltage	V	-	17.5	-
Fiber data				
Fiber Buffer Diameter	µm	-	320	-
Fiber Cladding Diameter	µm	-	220	-
Fiber Core Diameter	µm	-	200	-
Fiber NA	-	-	0.22	-
Fiber Length	m	-	1.5	-
Fiber Termination	-	-	Bare	-
Fiber Bend Radius	mm	66	-	-
Mechanical and integration				
Housing Dimension	See Drawing			
Lead Soldering Temp	260° C for < 5 seconds			
Environmental				
ESD	V	-	-	500
Operating Housing Temperature Range	° C	20	25	30
Operating Humidity	%	15	-	75
Storage Temperature Range	° C	-40	-	70

Notes

1. Specified performance to be tested at 25C module base temperature
2. Non-condensing operating environment required

