

Item Number: 8807-0024**Item Description: 793nm, 80W, 200um fiber-pigtailed diode laser module**

	Unit	Min	Typical	Max
Optical				
Nominal CW Output Power	W	80.0	-	-
Wavelength	nm	790	793	796
Spectral Width (FWHM)	nm	-	4.0	-
Wavelength Temperature Coefficient	nm/° C	-	0.3	-
Slope Efficiency	W/A	-	11	-
Power Conversion Efficiency	%	-	45	-
Electrical				
Operating Current	A	-	7.5	9.0
Threshold Current	A	-	1.1	
Maximum Operating Voltage	V	-	24.3	26.0
Maximum Reverse Voltage	V		28	
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

Outline Dimensions and Pin-out

