

**Item Number: 8807-0021****Item Description: 793nm, 20W, 105µm fiber-pigtailed diode laser module**

	Unit	Min	Typical	Max
<b>Optical</b>				
Nominal CW Output Power	W	20.0	-	-
Wavelength	nm	790	793	796
Spectral Width (FWHM)	nm	-	3.0	-
Wavelength Temperature Coefficient	nm/° C	-	0.3	-
Slope Efficiency	W/A	-	7.5	-
Power Conversion Efficiency	%	-	50	-
<b>Electrical</b>				
Operating Current	A	-	3.0	3.5
Threshold Current	A	-	0.4	0.6
Maximum Operating Voltage	V	-	12.5	14
Maximum Reverse Voltage	V		17.5	
<b>Fiber data</b>				
Fiber Buffer Diameter	µm		-	
Fiber Cladding Diameter	µm		125	
Fiber Core Diameter	µm		105	
Fiber NA	-		0.22	
Fiber Length	m		1.5	
Fiber Termination	-		Bare	
Fiber Bend Radius	mm	33	-	-
<b>Mechanical and integration</b>				
Housing Dimension			See Drawing	
Lead Soldering Temp			260° C for < 5 seconds	
<b>Environmental</b>				
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

