

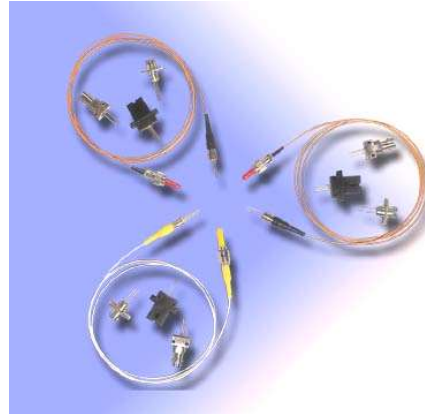
650nm Laser Diode SM Module

Features

- Center wavelength 650nm
- Built-in monitor detector
- Operating temperature -10°C to 50°C
- Hermetically sealed TO-18 package in pigtailed or receptacle housing with FC, ST or SC connector

Applications

- Test instruments



650nm Laser Diode SM Module

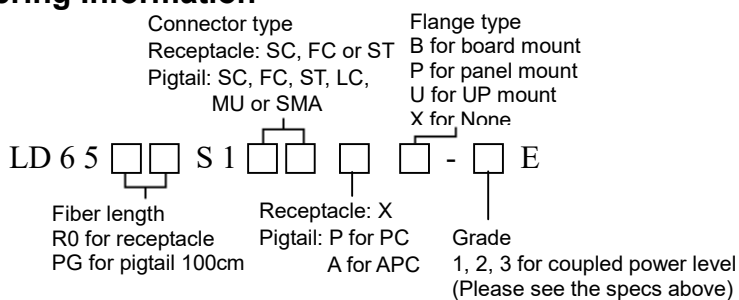
Specifications (T=25°C)

Parameter	Symbol	Test Conditions	Min	Typical	Max	Units	
Center Wavelength	λ	P_0	645	650	660	nm	
Threshold Current I_{th}		25-C	-	15	40	mA	
		50-C		25	30		
Operating Voltage	V_{op}	P_0	-	2.2	2.6	V	
Optical Output Power	P_0	$I_{op} = I_{th} + 15mA,$ 25-C					
			-1	0.1	0.25	-	mW
			-2	0.4	0.55	-	mW
			-3	0.7	0.85	-	mW
			-4	1.5	-	-	mW
Monitor Current (PD)	I_m	$P_0, V_{RD} = 5V$	0.05	0.2	-	mA	
Tracking Error	E_t	-10 to 50 °C	-		±1.0	dB	

Absolute Maximum Ratings (T=25°C)

Parameter	Symbol	Min.	Max.	Unit
Forward Current (LD)	I_{op}	-	50	mA
Reverse Voltage (LD)	V_{RL}	-	2	V
Reverse Voltage (PD)	V_{RD}	-	30	V
Operating Temperature	T_o	-10	+50	°C
Storage Temperature	T_{stg}	-40	+85	°C
Lead Soldering Temperature (10 sec)	T_L	-	260	°C

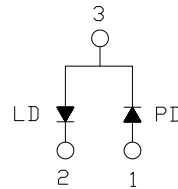
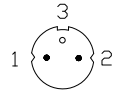
Ordering Information



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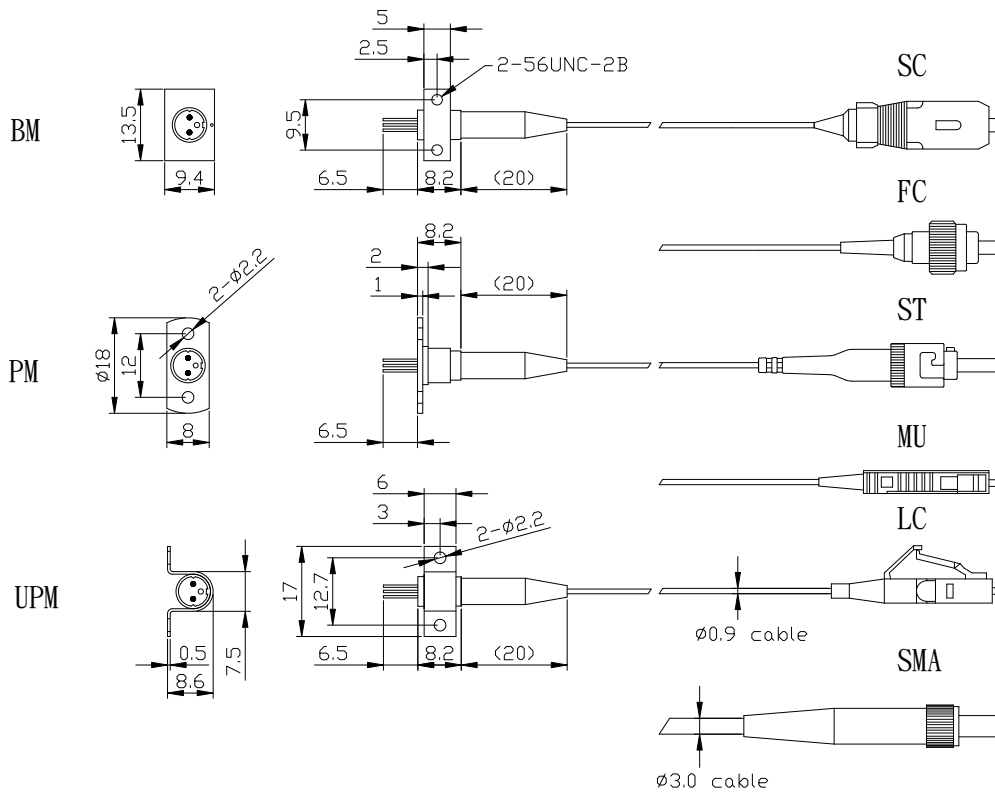
Pin Connections

BOTTOM VIEW



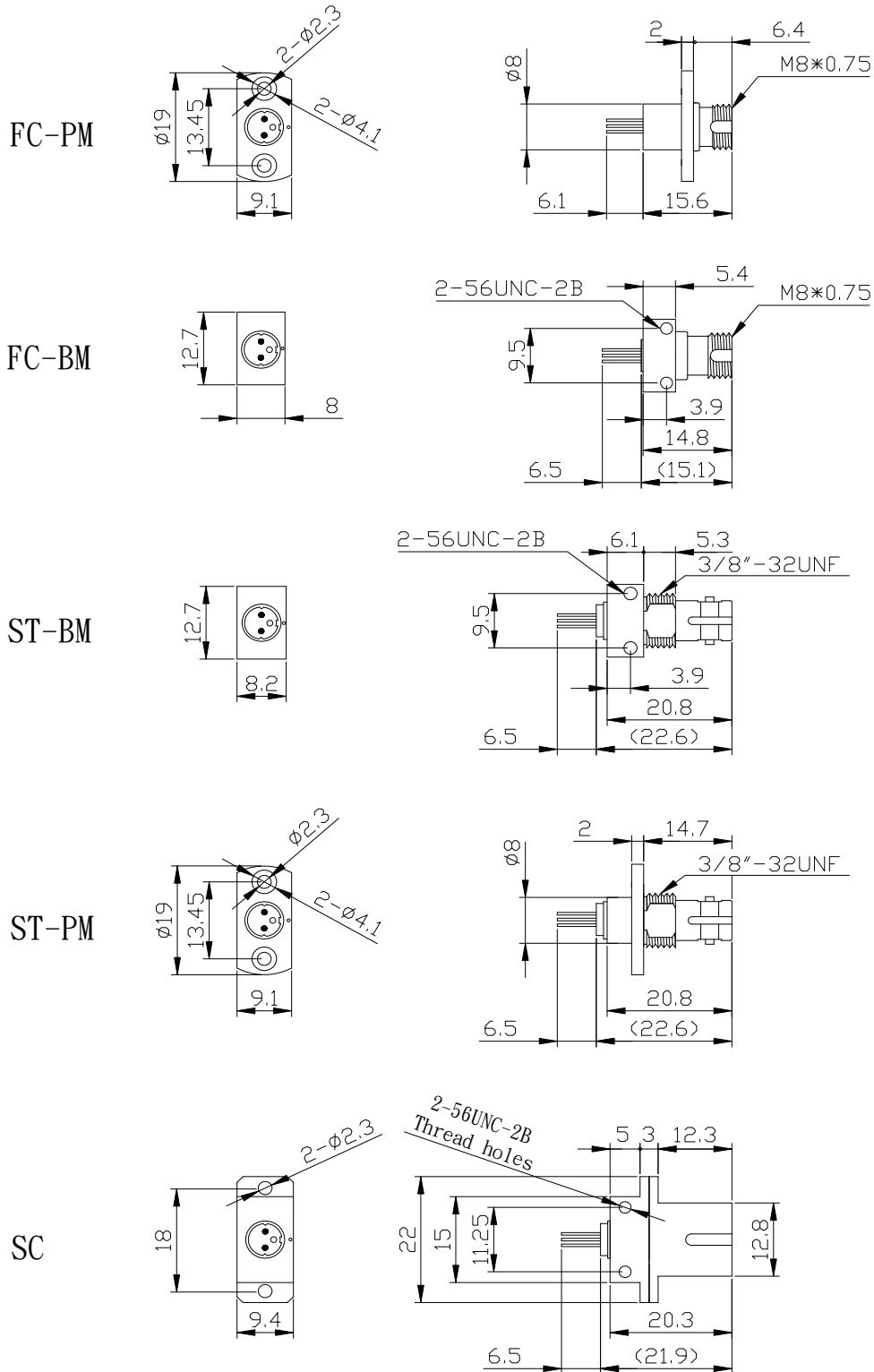
Dimension

Pigtail Type

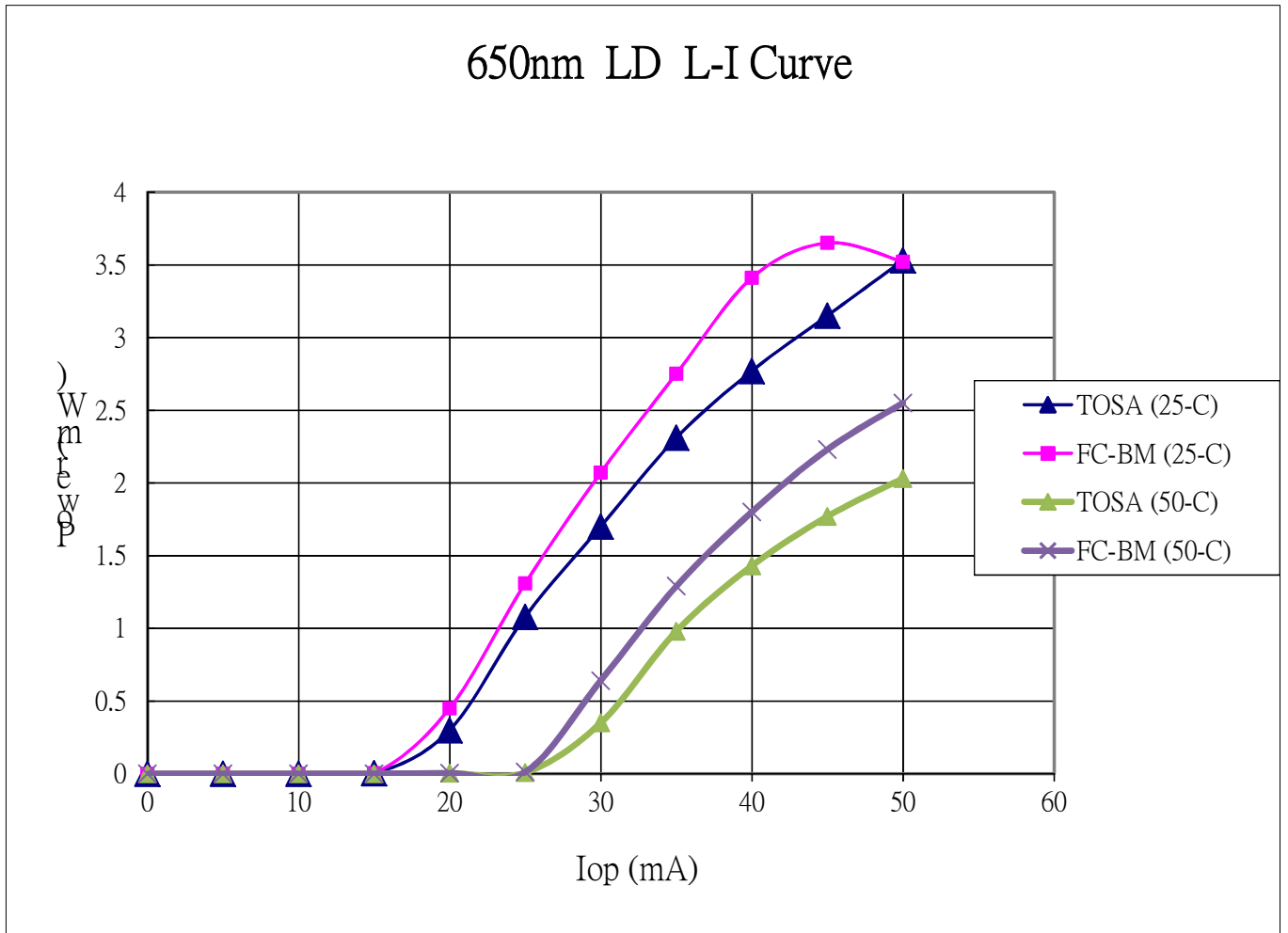


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Receptacle Type



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