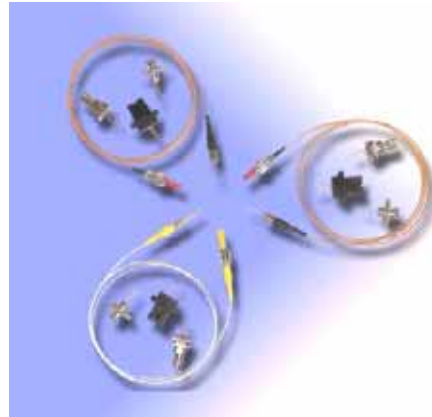


# 2.5Gbps 850nm VCSEL MM Module

## Features

- High coupled power
- Peak wavelength 850nm
- Low threshold current 3mA
- High speed  $t_r, t_f < 0.3ns$
- Operating temperature range  $0^{\circ}C$  to  $70^{\circ}C$
- Hermetically sealed To -46 package in pigtailed or receptacle housing with FC, ST or SC connector
- Bandwidth 2GHz.



2.5Gbps 850nm VCSEL MM Module

## Applications

- Gigabit Ethernet

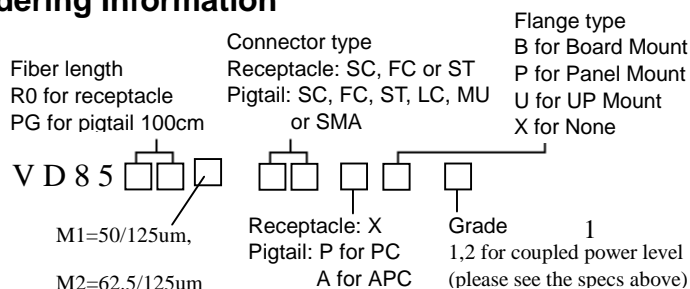
## Specifications (T=25 °C)

Parameter	Symbol	Test Conditions	Min	Typical	Max	Units
Peak wavelength	$\lambda$	$I_{op}=12mA$	830	850	860	nm
Spectral width FWHN	$\Delta\lambda$	$P_0$	-	-	0.85	nm
Threshold current	$I_{th}$	-	-	3	6	mA
Threshold current temperature variation (0 to $70^{\circ}C$ )	-	-	-1	-	1	mA
Coupled power (62.5/125 $\mu m$ fiber)	$P_0$	12mA				
-1			0.5	0.7	-	mW
-2			1			mW
Coupled power (50/125 $\mu m$ fiber)	$P_0$	12mA				
-1			0.25	0.35	-	mW
-2			0.5			mW
Slope efficiency	SE	$P_0$	-	0.25	-	mW/mA
Slope efficiency temperature dependence	SE	$P_0$	-	-0.15	-	%/ $^{\circ}C$
Monitor Current (PD)	$I_m$	$P_0$	0.03	0.1	-	mA
Forward voltage	$V_f$	$P_0$	1.7	1.9	2.2	V
Series Resistance	$R_s$	$P_0$	-	30	-	$\Omega$

## Absolute Maximum Ratings

Parameter	Symbol	Min.	Max.	Unit
Continuous forward current (LD)	$I_{op}$	-	15	mA
Continuous reverse voltage (LD)	$V_{RL}$	-	10	V
Operating temperature	$T_o$	0	85	$^{\circ}C$
Storage temperature	$T_{stg}$	-40	100	$^{\circ}C$
Lead soldering temperature (10 sec)	$T_L$	-	260	$^{\circ}C$

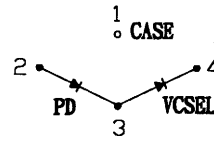
## Ordering Information



# 2.5Gbps 850nm VCSEL MM Module

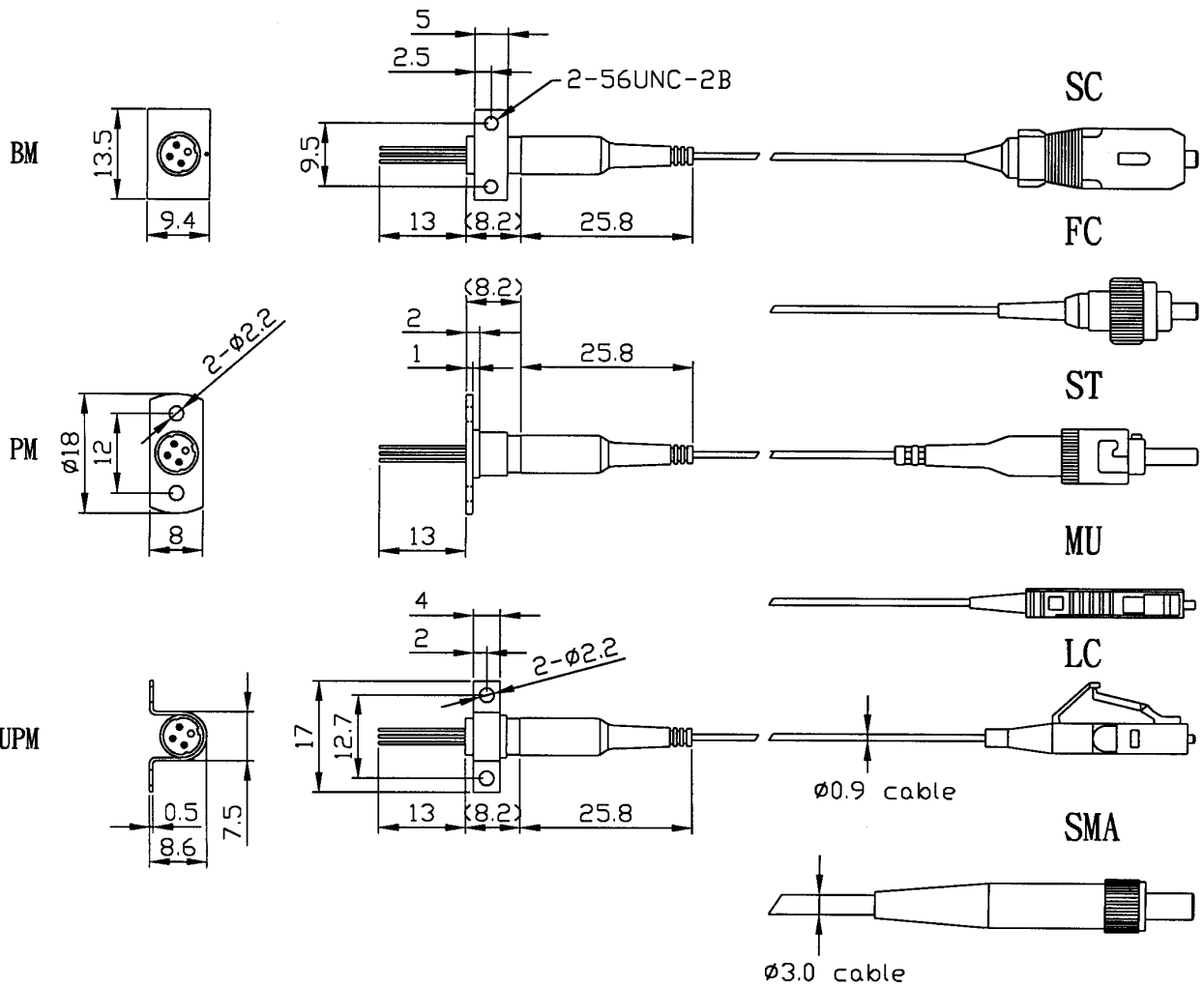
## Pin Connections

### BOTTOM VIEW



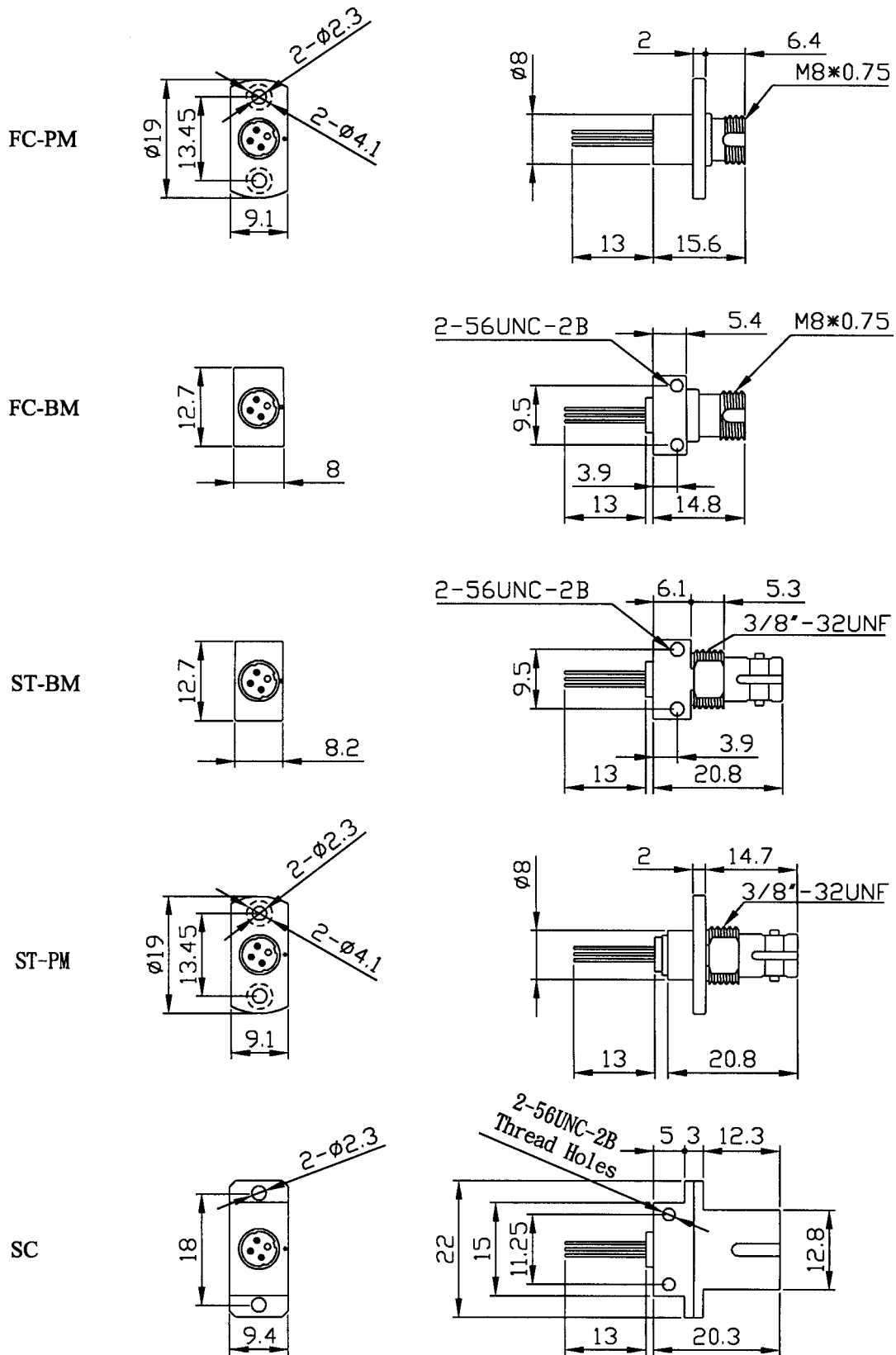
## Dimension

Pigtail Type



# 2.5Gbps 850nm VCSEL MM Module

Receptacle Type



2.5Gbps 850nm VCSEL MM Module