



MARV_{EL} SERIES 8

RECEIVER

THE SOURCE FOR YOUR SOURCE

FEATURES

- Long Wavelength
- Low Pulse Width Distortion
- High Responsivity
- High Speed
- Low power consumption
- Standard 5V Power Supply
- 8 Pin, ST, FC, SC Connectorized or Pigtailed
- Singlemode and Multimode Applications

RECEIVER CHARACTERISTICS (T= 25°C)

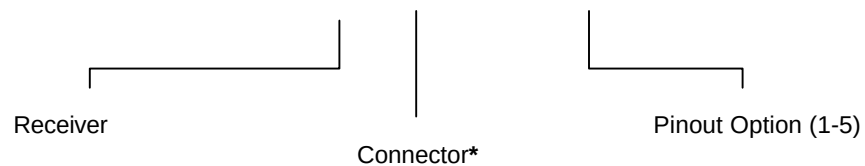
Parameter	Symbol	Minimum	Typical	Maximum	Unit
Wavelength	λ	1200		1550	nm
Responsivity (Single-ended)	R	5.0			mV/ μ W
Responsivity (Differential)	R	10.0			mV/ μ W
Supply Current	I _{cc}		26	32	mA
Data Rate				125	Mhz
Input Power (Average)				60	μ W
RMS Output Spectral Density Noise Voltage			27		nV/ $\sqrt$ Hz
Rise/Fall Time	Tr,Tf		2.4,2.9		ns
Output Bias Voltage			3.3	3.7	V
Output Offset Voltage				80	mV
Output Sink/ Source Current		3	4		mA
Output Resistance (single-ended)		7	15	21	Ω
Output Resistance (Differential)		14	30	42	Ω
Power Supply Rejection Ratio		26	33		dB
Maximum Differential Output Voltage Swing				1.4	V p-p

ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	RATING	UNIT
Supply Voltage	V _{cc}	6	VOLTS
Operating Temp	T _{op}	0 - 70	°C
Storage Temp	T _{stg}	-40 - 85	°C

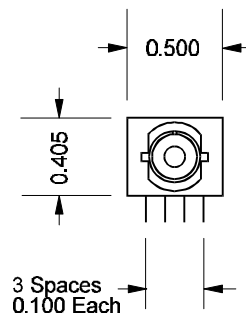
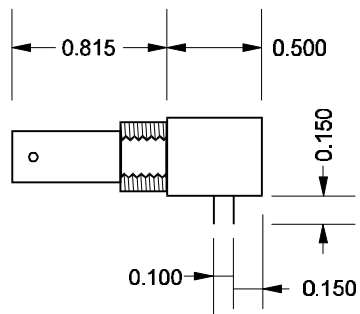
Ordering Information

MRR XX - 125 - 8X

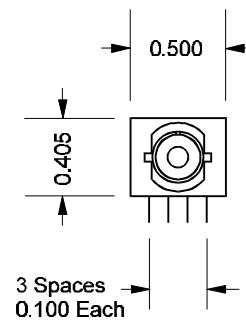
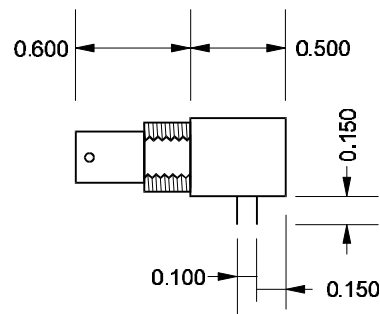


* ST=Singlemode St, MT=Multimode ST, FC=Singlemode FC, MC=Multimode FC, SP=Singlemode Pigtail, MP=Multimode Pigtail, SC=Singlemode SC, MS=Multimode SC

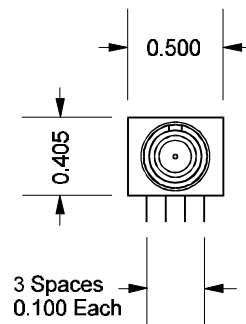
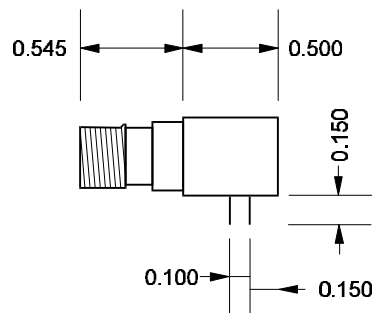
Package Style "ST"-A



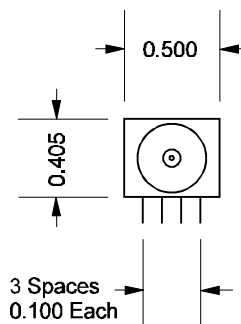
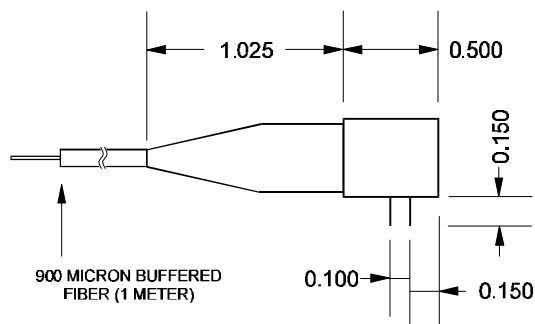
Package Style "ST"-B



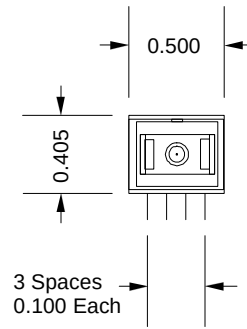
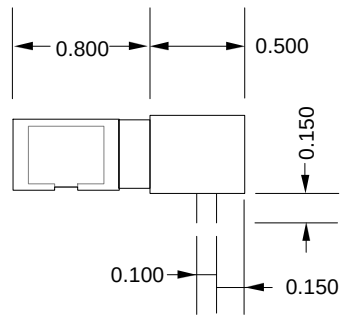
Package Style "FC"



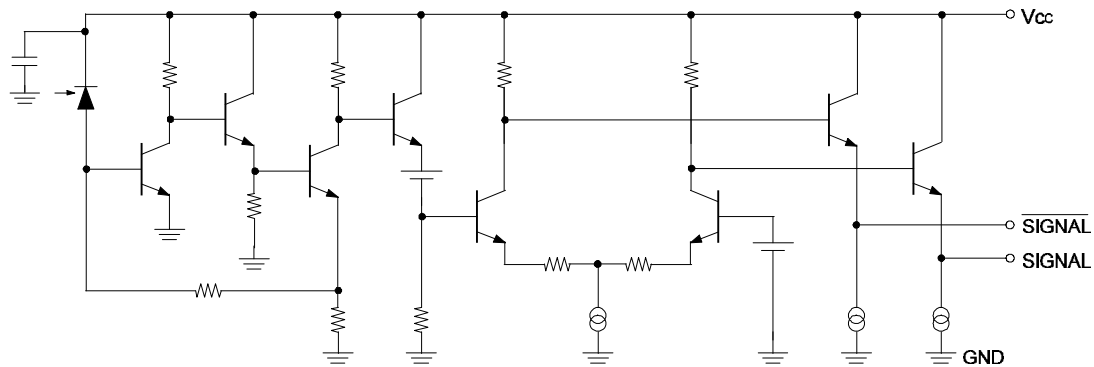
Package Style "SP"



Package Style "SC" / "MSC"

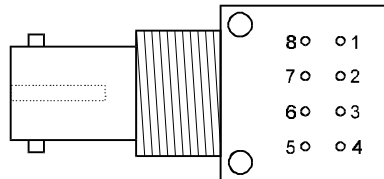


Board Diagram



Pinout Diagram

Bottom View



Options

