

# Microwave Photonic Systems, Inc. 888-868-8967

## MPS-2300 Singlemode Optical Splitter

- Injection Molded Case
- Internal Mechanical Strain Relief
- Low Insertion Loss
- Serialized & Individual Test Records
- Environmental Stability and Reliability
- Epoxy Free Optical Path



### Description:

MPS-2300 Singlemode Optical Splitters are available in a variety of configurations and split ratios to meet your specifications. MPS Singlemode Splitters can be ordered as either single window or dual window with bare fiber, 900µm buffered fiber, or 3mm jacketed fiber leads and can be supplied with or without connectors. Single window singlemode splitters can be ordered to operate in either the 1310nm or 1550nm window. Our dual window splitters operate in both the 1310nm and the 1550nm windows. In addition to our standard splitter lines an Ultra-Flat Dual Window line is offered providing an even greater wavelength. Every MPS Optical Splitter exceeds Telcordia standards and is tested for insertion loss, return loss and split ratio.

### Applications:

- CATV Networks
- RF Fiber Networks
- Sensor Applications
- Data Networks

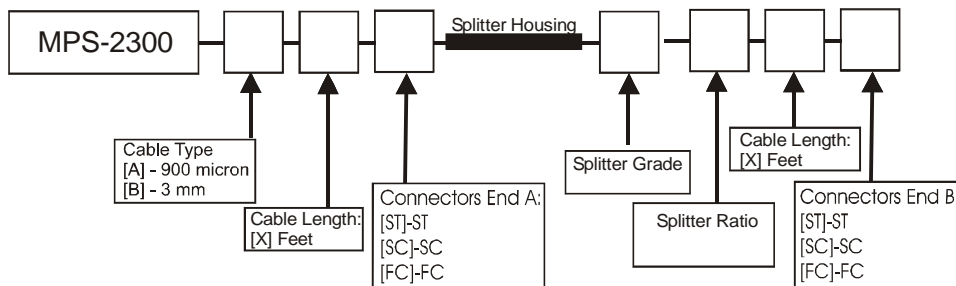
### Performance:

Insertion Loss Characteristics			
Split Ratio	Grade A	Grade B	Grade C
50/50	3.6	4.0	4.6
40/60	4.7/2.7	5.0/2.9	5.8/3.6
30/70	6.0/1.9	6.4/2.1	7.4/2.7
20/80	7.9/1.2	8.5/1.4	9.8/2.0
10/90	11.3/0.6	12.7/0.8	15.8/1.4
Excess Loss:	< 0.10	<0.25	<0.50

### Specifications:

Passband (nm):	1270 to 1350 , 1510 to 1590
Fiber Type:	Corning SMF-28
Thermal Stability (dB):	< +/- 0.1 typ
Operating Temp	-40 to 75 Deg C
Polarization Stability (dB):	< +/- 0.1 typ
Directivity (dB):	<-65 for 2x2 port <-50 for 1x2 port
Pigtail Options:	2.4mm 900 um 250um
Package Size:	.375" x .375" x 3.5"
Mounting:	2, Number 4 thru holes

### Part Number Generator:



SMOPTICAL SPLITTER