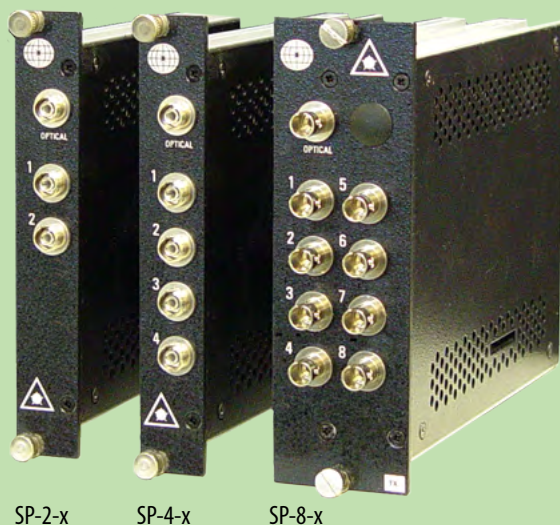
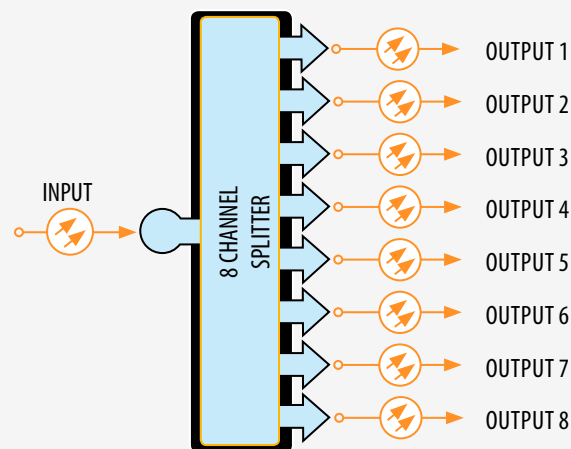


2, 4 or 8 Channel Optical Splitters

SP-2-x

SP-4-x

SP-8-x



- 8 Channels Splitter Shown -

FEATURES

- One and two slot card/module designs
- Available for use with either Multimode fiber 62.5/125 & 50/125µm or Singlemode fiber 9/125µm
- Available in either 2, 4 or 8 channels of optical splitting
- ST, FC or SC optical connectors
- Hot swappable cards

CONFIGURATIONS

This SP product family is available as rack mount cards and stand-alone modules that can be installed in any of Meridian's desk chassis or in our standard 19" racking frames.

These products can be converted to stand-alone modules by utilizing one of our shelf mount chassis (SR-500 or SR-1002 series chassis).

DESCRIPTION

These cards are the part of Meridian's DigiView™ product family and are passive, all-optical splitters and available in either 2, 4 or 8 channels.

Both single-mode and multimode versions are available.

These splitters are designed to accept one optical signal and split it into two, four or eight equal signals for transmission over the same number of individual fibers for distribution and/or fiber protection applications.

These units are compatible with all Meridian products as well as many other fiber transmission products in the market.

MARKETS

- ✓ Security and surveillance
- ✓ Fiber protection systems
- ✓ AV & Broadcast systems
- ✓ Access Control
- ✓ Video /Audio distribution & transport systems
- ✓ Intelligent transportation systems (ITS)

SPECIFICATIONS

Optical

For Multimode Fiber				
	fiber type	2 channel splitter	4 channel splitter	8 channel splitter
Central wavelength:	all fibers	850, 1300nm	850, 1300nm	850, 1300nm
Configuration:	all fibers	1x2	1x4	1x8
Max insertion loss:	50/125µm fiber	4.9dB	7.8dB	11.5dB
Max insertion loss:	62.5/125µm fiber	4.6dB	7.5dB	11dB
Directivity:	all fibers	≥ 40dB	≥ 40dB	≥ 40dB
Thermal stability:	all fibers	0.2 dB	0.2 dB	0.2 dB

For Singlemode Fiber				
Central wavelength:	9/125um fiber	1260 - 1650 nm	1260 - 1650 nm	1260 - 1650 nm
Configuration:	9/125um fiber	1x2	1x4	1x8
Max insertion loss:	9/125um fiber	4.6dB	7.5dB	11dB
Directivity:	9/125um fiber	≥ 55dB	≥ 55dB	≥ 55dB
PDL:	9/125um fiber	0.3 dB	0.3 dB	0.3 dB
Return Loss:	9/125um fiber	≥ 50dB	≥ 50dB	≥ 50dB

PART NUMBERS

MULTIMODE		
2 CHANNEL	SP-2-0	2-Channel optical splitter, 1-slot card, Multimode, 850nm, 50/125um or 62.5/125um
	SP-2-1	2-Channel optical splitter, 1-slot card, Multimode, 1300nm, 50/125um or 62.5/125um
4 CHANNEL	SP-4-0	4-Channel optical splitter, 1-slot card, Multimode, 850nm, 50/125um or 62.5/125um
	SP-4-1	4-Channel optical splitter, 1-slot card, Multimode, 1300nm, 50/125um or 62.5/125um
8 CHANNEL	SP-8-0	8-Channel optical splitter, 2-slot card, Multimode, 850nm, 50/125um or 62.5/125um
	SP-8-1	8-Channel optical splitter, 2-slot card, Multimode, 1300nm, 50/125um or 62.5/125um

Connectors

Optical	FC (default), ST, SC (optional)
Power	None - passive

Physical

Card	2 channel, 4 channel splitters (one slot card)	8 channel splitter (two slot card)
Dimensions	160 mm (6.3") L, 127 mm (5") H, 20mm (0.80") W	160 mm (6.3") L, 127 mm (5") H, 44 mm (1.7") W
Weight	~ 450 grams (16 Oz.)	~ 550 grams (19.4 Oz.)
No. of Slots	1	2
Module	See SR-500 Brochure	See SR-1002 Brochure

Environmental

Operating Temperature	-34°C to +74°C
Storage Temperature	-40°C to ~ +85°C
Relative Humidity	0 to 95% Non-condensing

Quality

MTBF	>170,000 hours (35°C per MIL 217F) 35°C per MIL217F
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SINGLEMODE		
2 CHANNEL	SP-2-26	2-Channel optical splitter, 1-slot card, Single-mode, 1260 - 1650 nm Band, 9/125um
4 CHANNEL	SP-4-26	4-Channel optical splitter, 1-slot card, Single-mode, 1260 - 1650 nm Band, 9/125um
8 CHANNEL	SP-8-26	8-Channel optical splitter, 2-slot card, Single-mode, 1260 - 1650 nm Band, 9/125um

PART NUMBER DIAGRAM

