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Find the *Advantech / B&B Electronics IMcV-S2MM/622* at our website: *Click HERE*

iMcV-Fiber Mode Converters (iMcV-S2MM, M2MM, S2SM)

6-YEAR Comprehensive Warranty



The industry's first protocol-independent fiber mode conversion modules convert between dissimilar fiber modes and wavelengths.

Product Overview

The iMcV-S2MM series of fiber mode converters allows easy network extension to remote locations by converting to single-mode fiber— without having to replace existing multi-mode fiber equipment.

Protocol-independent operation means the S2MM series gets the job done: from Ethernet to Fast Ethernet and ATM/OC-3 choose the S2MM/155 series; for OC-12, Gigabit Ethernet and Fibre Channel, choose the S2MM/1250 series. This series also includes multi-mode to multi-mode (M2MM) and single-mode to long-haul single-mode (S2SM) converters for specialty data networking applications.

The iMcV Fiber Mode Converter series is SNMP-manageable to aid in network troubleshooting with modular architecture for flexibility. This series is available with single-strand fiber technology, transmitting two-channel, full duplex data on just one strand of fiber.

Features

- Includes protocol-independent operation
- Converts between dissimilar fiber modes and wavelengths

Three Types of Mode Conversions:

- Single-mode to Multi-mode (S2MM)
- Single-mode to Single-mode (S2SM)
- Multi-mode to Multi-mode (M2MM)

Two Categories of Transmission Speeds:

- /155: Ethernet, Fast Ethernet and ATM/OC-3
- /1250: OC-12, Gigabit Ethernet and Fibre Channel

Physical Specifications

Fiber Types Supported

- 50/125µm or 62.5/125µm multi-mode fiber
- 9/125µm single-mode fiber
- Available for single-strand fiber

Connectors:
ST, SC, LC

Regulatory Approvals:
FCC Class B, CE

Operating Temperature:
+32° to +122°F (0° to +50°C)

Storage Temperature:
-13° to +158°F (-25° to +70°C)

Humidity:
5 to 95% (non-condensing)

Altitude:
0 to 10,000 ft.

Dimensions
4.19"H x 0.78"W x 2.75"D (10.74 x 2 x 7.05 cm)

Shipping Weight:
0.30 lbs (0.11 kg)

Ordering Information

iMcV-S2MM/155 (Single-Mode to Multi-Mode)

850-14520	iMcV-S2MM/155, SM1310/PLUS-ST + MM1300-ST, 40 km + 5 km
850-14530	iMcV-S2MM/155, SM1310/PLUS-SC + MM1300-SC, 40 km + 5 km
850-14540	iMcV-S2MM/155, SM1310/LONG-ST + MM1300-ST, 80 km + 5 km
850-14550	iMcV-S2MM/155, SM1310/LONG-SC + MM1300-SC, 80 km + 5 km
850-14555	iMcV-S2MM/155, SM1550/LONG-SC + MM1300-SC, 80 km + 5 km
850-14560	iMcV-S2MM/155, SM1310/PLUS-ST + MM850-ST, 40 km + 2 km
850-14570	iMcV-S2MM/155, SM1310/PLUS-SC + MM850-SC, 40 km + 2 km
850-14580	iMcV-S2MM/155, SM1310/LONG-ST + MM850-ST, 80 km + 2 km
850-14590	iMcV-S2MM/155, SM1310/LONG-SC + MM850-SC, 80 km + 2 km
850-14595	iMcV-S2MM/155, SM1550/LONG-SC + MM850-SC, 80 km + 2 km
Single-Strand Fiber	
850-14532	iMcV-S2MM/155, SSFX-SM1310-SC (1310xmt/1550rcv) + MM1300-SC, 20 km + 5 km
850-14533	iMcV-S2MM/155, SSFX-SM1550-SC (1550xmt/1310rcv) + MM1300-SC , 20 km + 5 km
850-14535	iMcV-S2MM/155, SSFX-SM1310/PLUS-SC (1310xmt/1550rcv) + MM1300-SC , 40 km + 5 km
850-14536	iMcV-S2MM/155, SSFX-SM1550/PLUS-SC (1550xmt/1310rcv) + MM1300-SC , 40 km + 5 km

iMcV-S2MM/622 (Single-mode to Multi-mode)

859-14802	iMcV-S2MM/622, SM1310/PLUS-SC + MM1300-SC, 40 km + 5 km
859-14805	iMcV-S2MM/622, SM1550/LONG-SC + MM1300-SC, 80 km + 5 km

iMcV-S2MM/1250 (Single-mode to Multi-mode)

859-14799	iMcV-S2MM/1250, LX-SM1310-SC + SX-MM850-SC, 15 km + 220/550 m
859-14800	iMcV-S2MM/1250, LX-SM1310/PLUS-SC + SX-MM850-SC, 40 km + 220/550 m
859-14801	iMcV-S2MM/1250, LX-SM1550/LONG-SC + SX-MM850-SC, 80 km + 220/550 m
Single-Strand Fiber	
859-14806	iMcV-S2MM/1250, SSLX-SM1310-SC (1310xmt/1550rcv) + SX-MM850-SC, 15 km + 220/550 m
859-14807	iMcV-S2MM/1250, SSLX-SM1550-SC (1550xmt/1310rcv) + SX-MM850-SC, 15 km + 220/550 m
859-14808	iMcV-S2MM/1250, SSLX-SM1310/PLUS-SC (1310xmt/1550rcv) + SX-MM850-SC, 40 km + 220/550 m
859-14809	iMcV-S2MM/1250, SSLX-SM1550/PLUS-SC (1550xmt/1310rcv) + SX-MM850-SC, 40 km + 220/550 m

iMcV-S2SM (Single-mode to Single-mode)

850-14519	iMcV-S2SM/155, SM1310/PLUS-SC + SM1310/PLUS-SC, 40 km + 40 km
850-14505	iMcV-S2SM/155, SM1310/LONG-SC + SM1310/LONG-SC, 80 km + 80 km
850-14513	iMcV-S2SM/155, SM1550/LONG-SC + SM1310/PLUS-SC, 80 km + 220/550 m
850-14514-LC	iMcV-S2SM/155, SM1550/LONG-SC + SM1310/LONG-LC, 80 km + 80 km
Single-Strand Fiber	
850-14515	iMcV-S2SM/155, SSFX-SM1310-SC (1310xmt/1550rcv) + SM1310/PLUS-SC, 20 km + 40 km
850-14516	iMcV-S2SM/155, SSFX-SM1550-SC (1550xmt/1310rcv) + SM1310/PLUS-SC, 20 km + 40 km
850-14517	iMcV-S2SM/155, SSFX-SM1310/PLUS-SC (1310xmt/1550rcv) + SM1310/LONG-SC, 40 km + 80 km
850-14518	iMcV-S2SM/155, SSFX-SM1550/PLUS-SC (1550xmt/1310rcv) + SM1310/LONG-SC, 40 km + 80 km

iMcV-S2SM/1250 (Single-mode to Single mode)

859-14803	iMcV-S2SM/1250, LX-SM1310/PLUS-SC + LX-SM1310/PLUS-SC, 40 km + 40 km
859-14804	iMcV-S2SM/1250, LX-SM1310/PLUS-SC + LX-SM1550/LONG-SC, 40 km + 80 km
Single-Strand Fiber	
859-14820	iMcV-S2SM/1250, SSLX-SM1310-SC (1310xmt/1550rcv) + LX-SM1310/PLUS-SC, 15 km + 40 km
859-14821	iMcV-S2SM/1250, SSLX-SM1550-SC (1550xmt/1310rcv) + LX-SM1310/PLUS-SC, 15 km + 40 km
859-14822	iMcV-S2SM/1250, SSLX-SM1310/PLUS-SC (1310xmt/1550rcv) + LX-SM1310/PLUS-SC, 40 km + 40 km
859-14823	iMcV-S2SM/1250, SSLX-SM1550/PLUS-SC (1550xmt/1310rcv) + LX-SM1310/PLUS-SC, 40 km + 40 km

iMcV-M2MM/155 (Multi-mode to Multi-mode)

850-14510	iMcV-M2MM/155, MM1300-ST + MM850-ST, 5 km + 2 km
850-14511	iMcV-M2MM/155, MM1300-SC + MM850-SC, 5 km + 2 km

Use with Chassis Platform

iMediaChassis Series, See Page 39
MediaChassis Series, See Page 40
IE-MediaChassis Series, See Page 40

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