

Hybrid Electrical & Fiber-Optic Connector Break-Out Modules

For use in television broadcasting and video equipment such as camera head to camera control-unit connections. These hybrid Break-Out modules terminate two singlemode fiber-optic contacts, two low-voltage contacts and two auxiliary 600VAC electrical contacts.

- Conform to SMPTE 304M-2003 Standard
- Feature Lemo® Connectors for Ultimate Reliability
- 6 Position and 8 Position Panel Configurations Available
- Include 60" [1.5m] Electrical Connector Mating Cable*

*Custom lengths available

Modular Bulkhead SMPTE 304M Series Specifications


Optical

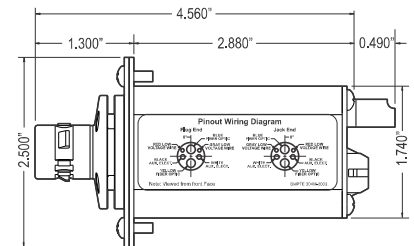
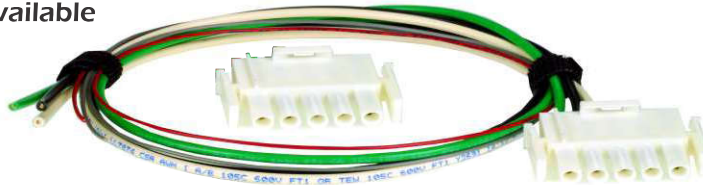
Wavelength: 1100 nm – 1350 nm
 Insertion Loss: 0.5 dB maximum
 Return Loss: Better than -45 dB

Electrical

Auxiliary Elec. Contacts
 Voltage: 600VAC
 Current: 10A
 Low-Voltage Contacts:
 Voltage: 42VAC or 60VDC
 Current: 1A

Environmental

Temperature, Operating: -20°C to +60°C
 Temperature,
 Non-operating, storage: -40°C to +85°C
 Humidity: <95% RH (at +40°C)
 RoHS:  Compliant



Ordering Information, 6 & 8 Position Panel Modules

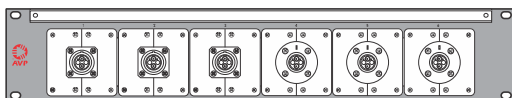
Model	Description
SMPTE 304M-2003 Hybrid Electrical & Fiber-Optic Connector Break-Out Module, includes 60" [1.5m] Connector Mating Cable; for 6 Position panel	
MB6FM-LP-LC	Module, Lemo plug SMPTE 304M Camera Connector to dual singlemode LC Fiber-Optic* and 5 pin electrical contact break-out, (round flange)
MB6FM-LS-LC	Module, Lemo socket SMPTE 304M Camera Connector to dual singlemode LC Fiber-Optic* and 5 pin electrical contact break-out, (square flange)
SMPTE 304M-2003 Hybrid Electrical & Fiber-Optic Connector Break-Out Module, includes 60" [1.5m] Connector Mating Cable; for 8 Position panel	
MB8FM-LP-LC	Module, Lemo plug SMPTE 304M Camera Connector to dual singlemode LC Fiber-Optic* and 5 pin electrical contact break-out, (round flange)
MB8FM-LS-LC	Module, Lemo socket SMPTE 304M Camera Connector to dual singlemode LC Fiber-Optic* and 5 pin electrical contact break-out, (square flange)
AT-MBFM-MCK	Mating Connector Kit, includes electrical mating connector and 5 crimp pins
AT-MBFM-HCT1	Heavy Duty Hand Crimp Tool, for use with AT-MBFM-MCK Mating Connector Kit
AT-MBFM-HCT2	Standard Hand Crimp Tool, for use with AT-MBFM-MCK Mating Connector Kit

*Also available terminated to SC, ST and FC fiber-optic receptacles. Replace **-LC** in Model Name with **-SC**, **-ST** or **-FC**.

*Add **-WZ** to end of model name to receive module with only **AT-MBFM-MCK** (electrical mating connector and 5 crimp pins)



6 Position Panel



8 Position Panel

