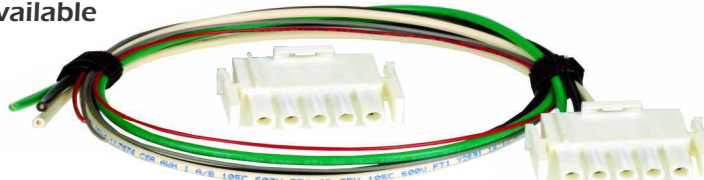


# Hybrid Electrical & Fiber-Optic Connector Break-Out Modules

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

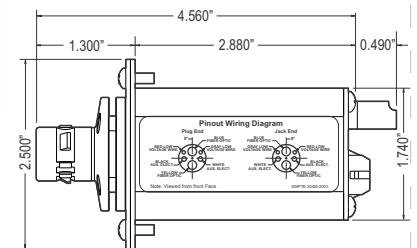
Wavelength: 1100 nm – 1350 nm  
 Insertion Loss: 0.5 dB maximum  
 Return Loss: Better than -45 dB

#### 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

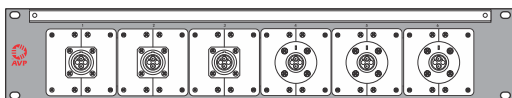
Model	Description
SMPTE 304M-2003 Hybrid Electrical & Fiber-Optic Connector Break-Out Module, includes 60" [1.5m] Connector Mating Cable; for <b>6 Position</b> panel	
<b>MB6FM-LP-LC</b>	Module, Lemo plug SMPTE 304M Camera Connector to dual singlemode LC Fiber-Optic* and 5 pin electrical contact break-out,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

