

RS-530/RS-232 Fiber Optic MicroModems

M62xxD
M82xxD

Product Models

| Model | Function | Connector | Fiber Cable | Wavelength | Link Budget | Max Distance |
|--------|-------------------------------------|-----------|-------------|------------|-------------|--------------|
| M6213D | RS-530 Fiber Optic MicroModem - DCE | LC | MM | 1310nm | 11 ± 1 dB | 2 km |
| M6223D | RS-530 Fiber Optic MicroModem - DTE | LC | MM | 1310nm | 11 ± 1 dB | 2 km |
| M6215D | RS-530 Fiber Optic MicroModem - DCE | LC | SM | 1310nm | 19 ± 1 dB | 20 km |
| M6225D | RS-530 Fiber Optic MicroModem - DTE | LC | SM | 1310nm | 19 ± 1 dB | 20 km |
| M8213D | RS-232 Fiber Optic MicroModem - DCE | LC | MM | 1310nm | 11 ± 1 dB | 2 km |
| M8223D | RS-232 Fiber Optic MicroModem - DTE | LC | MM | 1310nm | 11 ± 1 dB | 2 km |
| M8215D | RS-232 Fiber Optic MicroModem - DCE | LC | SM | 1310nm | 19 ± 1 dB | 20 km |
| M8225D | RS-232 Fiber Optic MicroModem - DTE | LC | SM | 1310nm | 19 ± 1 dB | 20 km |

Technical Specifications General

| | |
|------------------------------|--|
| Dimensions | 1.0 x 2.4 x 4.5 in. / 2.54 x 6.1 x 11.43 cm. (H x W x L) |
| Weight | .425 lbs / 0.2 kg |
| Operating Temperature | -55° to +100°C / -67° to 212°F |
| Storage Temperature | -60° to +105°C / -76° to 221°F |
| Relative Humidity | Up to 95% non-condensing |
| Altitude | Up to 10,000 ft |

Technical Specifications Electrical Interface

| | |
|---------------------------------|--|
| Power Requirements | +5 to +15VDC @300mA (M82xxD models may use host power on Pin 9) |
| Protocol | Synchronous or Asynchronous (auto-sensing) |
| Date Rate | M62xxD: Continuously Variable from 1 bps to 5 Mbps Terminal Timing; 1 bps to 1 Mbps Source Timing M82xxD: Continuously Variable from 1 bps to 128 Kbps Terminal Timing; 1 bps to 100 Kbps Source Timing |
| Operation | Full Duplex or Simplex |
| Error Rate | Better than 10 ⁻⁹ |
| Connector | DCE – Female DB25 for M6213D, M6215D, M8213D, M8215D DTE – Male DB25 for M6223D, M6225D, M8223D, M8225D |
| M62xxD Digital Interface | RS-530, RS-422, RS-449 or V.35 with adapter, MIL-188-114A (Balanced) |
| M82xxD Digital Interface | RS-232, RS-423, MIL-188-114A (Unbalanced) |