



PRODUCT OVERVIEW

RF and Microwave Product Transport

Other Products

- 0.1 to 2000 μ sec Fiberoptic Delay Lines
- 1-20 MHz Reference Oscillator Fiberoptic Link
- IRIG-B Fiberoptic Links
- CATV Fiberoptic Links
- Video, Audio, and Data Fiberoptic Signal Transport
- Video Codecs
- Optical Amplifiers
- Optical Matrix Switching Systems
- RF and Optical Sensing Redundancy Switches
- L-Band MDU Fiberoptic Transport and Distribution
- Outdoor Enclosure for L-Band Fiberoptic Links

For 30 years, the Ortel Division of Emcore has pioneered innovative RF and microwave fiberoptic solutions. The complete line of systems and subassemblies removes distance, size/weight/power, and EMI limitations at cost and performance levels suited for headends, satellite earth stations, broadcast studios, multiple dwelling units, and private networks. A variety of package and performance levels are available for architectures requiring IF, L, S, C, X, Ku, and Ka band signal transport up to 40 GHz.

| | | Optiva | System 10000 WiBa | System 8000 | System 5100 | System 10000 | SIRU/SITU |
|----------------------|--|--------|-------------------|-------------|-------------|--------------|-----------|
| Applications | Broadcast/Headends, I/F & L-Band IFLs | - | - | - | - | - | |
| | L & S Band Earth Stations, GPS, Mobile LEO | - | - | - | - | - | |
| | Mobile Telephony | - | - | - | - | - | - |
| | Teleports/Gateways | | | - | | | |
| | Deep Space Research | - | | - | | - | - |
| | DBS, TVRO, Fixed Satellite (FSS) | - | | - | | - | - |
| | VSAT, C & Ku Band Earth Stations | - | | - | | - | - |
| | Military Triband Communication | - | | | | - | - |
| | Phased/Interferometric Arrays | - | | | | - | - |
| | Radar Calibration | - | | | | - | - |
| Bandwidth | I/F: 10-200 MHz | | - | - | - | - | |
| | I/F, L: 50-200, 950-2250 MHz | - | - | - | - | - | |
| | L, S: 950-3000 MHz | - | | - | | - | |
| | Extended C: 3.4-4.2, 5.84-6.7 GHz | - | | - | | - | |
| | X, Ku: 7.25-8.4, 10.95-12.75, 14-14.5 GHz | - | | - | | - | |
| | Wideband 10-2700 MHz | | - | | | | |
| | Wideband 0.05-3 GHz | - | | | | | - |
| | Wideband 0.05-18 GHz | - | | | | | - |
| Wideband 0.05-40 GHz | - | | | | | - | |
| Link Distance | 2-12 km | - | - | | - | - | - |
| | 20 km | - | - | - | | - | - |
| | 40 km | - | - | - | | - | - |
| | 100 km | - | | - | | | |
| Optics | 1310 nm | - | - | - | - | - | - |
| | 1550 nm | - | - | - | | - | - |
| | DWDM | - | - | | | | - |
| SNMP Control | | - | | | | | |
| Monitoring Options | RS-232 and/or 10/100 Ethernet | - | - | - | | - | |
| Mechanical | Rack Mount Module | - | - | - | - | - | |
| | Stand Alone Module | - | - | - | - | - | - |
| | ODU | - | | | | - | |