



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	-					-
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	-				-	