Multi-Channel Military Specifications

Connectors

Amphenol	Delphi	Deutsch	FSI	Glenair

Fibers

Single-Mode	1310nm 1550nm	980nm to 1550nm	980nm	780nm 850nm	630nm
Multimode	50um Infinicor 600	50um SX+	62.5um Infinicor 300	100um Graded Index	105um Step Index

Testing Capabilities

Insertion Loss	0dB to -60dB (+/-0.01dB) at 405nm, 630nm, 850nm, and 980nm 0dB to -70dB (+/-0.01dB) at 1310nm and 1550nm
Return Loss	Single-Mode: 0 to -70dB at 1310nm and 1550nm Multimode: -10 to -50dB at 1310nm
Extinction Ratio	0 to -40dB at 850nm, 980nm, 1310nm and 1550nm
Fiber Core Eccentricity	0.2um to 5um
Radius of Curvature	4mm to Flat
Apex Offset	0 to 200um
Polish Angle	0 to 20°
Fiber Height	0 to +/- 130nm
Magnification	5X-20X, 20X-100X, 200X, 400X and 800X with variable light intensity and image capture

Performance

Fiber	**Single-Mode**	**Multimode**
Insertion Loss (dB)	≤0.2 (≤0.1 Avail)	≤0.2 (≤0.05Avail)
Return Loss (dB)	APC ≥65 (≥70 Avail), UPC ≥45 (≥50 Avail)	UPC ≥45 (≥50 Avail)
Radius of Curvature (mm)	APC 5≤ ROC ≤12, UPC 10≤ ROC ≤25	
Apex Offset (um)	≤ 50	
Fiber Height (nm)	APC -100≤ FH ≤+100, UPC -50≤ FH ≤+50	

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