



Specification Review Data Sheet

Spec. Review No.	SR0543H		
Revision	01	Review Date	07/11/05
Customer			
Description	Multi Mode Coupler, 1X2 or 2x2, 850nm, 1310nm, 50% split		
Customer P/N			
AFR P/N	MMC-1-85-50-P-N-L-1-S or MMC-2-85-50-P-N-L-1-S MMC-1-31-50-P-N-L-1-S or MMC-2-31-50-P-N-L-1-S		
Reference Document			

1.0 Environmental Specifications

Parameter	Specification	Units	AFR Spec
Operating Temperature Range	----	°C	-20 to 70
Storage Temperature Range	----	°C	-40 to 85
Tensile Load	----	N	5

Table 1-1 Temperature

2.0 Mechanical Module Specifications

Parameter	Specification	Units	AFR Spec
Package dimensions	----	mm	3.0 x 48 (250um bare fiber) 3.5 X 66 (900um loose tube),
Fiber	----	---	62.5/125 or 50/125 fiber
Lead length	1.0	m	1.0
Port Configuration	1x2 or 2x2	---	1x2 or 2x2

Table 2-1 Mechanical Specifications



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3.0 Optical Specifications¹

Parameter	Specification	Units	AFR Spec
Operating Wavelength	----	nm	600 - 1600
Center Wavelength	----	nm	850, 1310
Coupling Ratio	----	%	50
Excess Loss	----	dB	Max 0.8, Typ 0.55
Insertion Loss:	----	dB	Max 3.9 Typ 3.6
Uniformity		dB	≤ 0.6
Directivity	----	dB	≥ 40

Table 3-1 Optical Specifications

REMARK: ¹ Optical specifications are given over all states of polarization and over environmental requirements of section 1.0, the test condition is under filtering high rank modes.

Above spec is for the device without connector



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