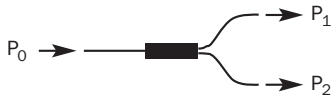
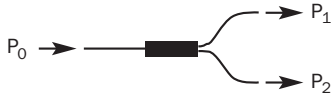
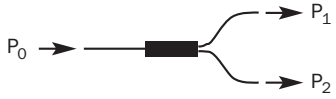
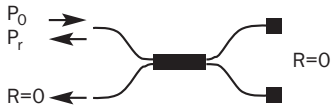
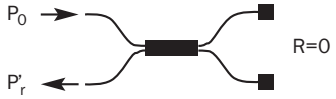
Parameter
Multimode-Couplers

Definition of parameters for Multimode-Couplers and Multimode-Coupler-Modules

Term	Definition	Component	Calculation		Explation
Insertion Loss	Sum of coupling loss and excess loss	**MMC**	-10 log (P_1 / P_0) -10 log (P_2 / P_0)	[dB]	
		MMC-Modules	-10 log (P_i / P_0) (i = 1...n)	[dB]	
Coupling Ratio	Percentage division ratio of the optical performance at them outlets	**MMC**	[P_2 / (P_1+P_2)] x 100	[%]	
Splitting Ratio	Percentage division ratio of the optical signals to the outputs points	**MMC-Modules**	[P_i / Σ P_n] x 100	[%]	
Excess Loss	Power lost in the coupler	**MMC**	-10 log [(P_1 + P_2) / P_0]	[dB]	
Return Loss	Ratio of transmitted signal to reflected signal at one input or output	**MMC**	-10 log (P_r / P_0)	[dB]	
		MMC-Modules	-10 log (P_r / P_0)	[dB]	
Directivity	Proportion of transmitted signal which is reflected to the parallel fibre on the same side	**MMC**	-10 log (P'_r / P_0)	[dB]	
		MMC-Modules	-10 log (P'_r / P_0)	[dB]	

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