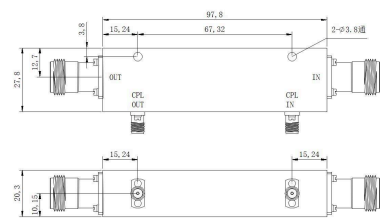


0.9–9 GHz Bidirectional RF Coupler, 35 dB Typical Coupling

This coupler samples forward and reverse signals across 0.9–9 GHz. Coupling is 35 dB typical, with insertion loss no greater than 0.3 dB.



Electrical specifications

Parameter	Value	Unit	Notes
Frequency range	0.9–9.0	GHz	Minimum: 0.9 GHz. Maximum: 9 GHz.
Insertion loss	≤0.3	dB	Maximum: 0.3 dB.
Coupling	33 / 35 / 37	dB	Minimum: 33 dB. Typical: 35 dB. Maximum: 37 dB.
Directivity	10 / 15	dB	Minimum: 10 dB. Typical: 15 dB.
Main-line VSWR	≤1.5	-	Maximum: 1.5.
Coupled-line VSWR	≤1.4	-	Maximum: 1.4.

General specifications

Parameter	Value	Unit	Notes
Main-line connector	N-F / K	-	Alternative connector designations stated in the source; delivered option is unconfirmed.
Coupled-port connector	SMA-F / K	-	Alternative connector designations stated in the source; delivered option is unconfirmed.
Impedance	50	Ω	-
Surface finish	Conductive finish	-	-
Power handling	250	W	Design guaranteed.
Housing material	Aluminum 6061	-	-
Operating temperature	−40–+70	°C	Minimum: −40 °C. Maximum: 70 °C.
Storage temperature	−55–+85	°C	Minimum: −55 °C. Maximum: 85 °C.

Parameter	Value	Unit
Input connector	N-Type	-
Output connector	N-Type	-
Coupled input connector	SMA	-
Coupled output connector	SMA	-

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