

Coupler (30-520MHz)



Features

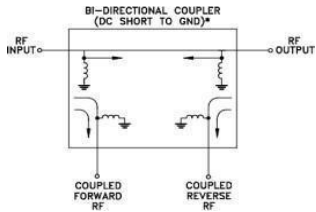
- high directivity, 20 dB typ.
- excellent VSWR, 1.07:1 typ.
- high power, up to 100W
- extremely low insertion loss, 0.05 dB typ.

Applications

- HF radios
- AM radio, amateur radio, medicalultrasound
- military mobile
- instrumentation
- communication receivers & transmitters

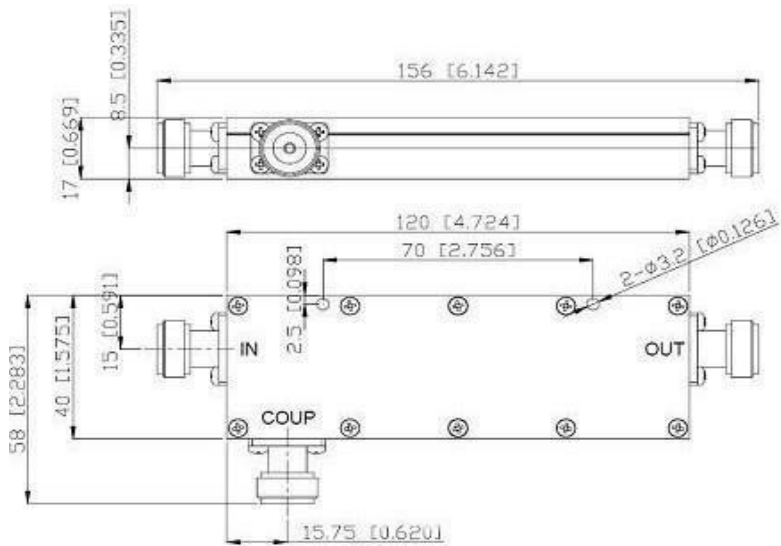


50Ω Up to 100W 30 to 520 MHz



Electrical Specifications at 25° C

Parameter	Condition (MHz)	Min.	Typ.	Max.	Unit
Frequency Range		30	--	520	MHz
Mainline Loss1	30-520	--	0.4	0.6	dB
Nominal Coupling	30-520	--	20.5	--	dB
Coupling Flatness(±)	30-520	19	19.5	20	dB
Directivity	30-520	--	20	23	dB
Return Loss (Input)	30-520	19	20	25	dB
Return Loss (Output)	30-520	19	20	25	dB
Return Loss(Coupling)	30-520	19	20	25	dB
Input Power2	30-520	--	--	100	W



Pin Connections

- INPUT 1 (N-Type)
- OUTPUT 2 (N-Type)
- COUPLED (forward)3 (N-Type)

Maximum Ratings

- Operating Temperature -55° C to 75° C
- Storage Temperature -55° C to 100° C
- Power Input (as a splitter) 100W max.
- Permanent damage may occur if any of these limits are exceeded.