

## High Power Directional Couplers RF Output



Our line of short-loop and airline RF output directional couplers are available in a variety of unidirectional and bidirectional models that provide superior coupling adjustability and power handling. *Virtually any coupling value is available*, with an assortment of connectorized or flanged airline packages. Bandwidths are frequency dependent on all models. Contact us for higher directivity models.

Series 317, 357, 318 and 358 couplers are available with a variety of connector options. Consult us regarding specific applications requiring nonstandard specifications or for information concerning power handling capability or package dimensions. Multiple coupling ports on a single unit are available, in any configuration of coupling values, in forward or reverse power coupling modes.

### SPECIFICATIONS

### SERIES

	317**	318**
Frequency (GHz)*	0.15–8.0	0.15–8.0
Type	unidirectional	bidirectional
Impedance (Ohms)	50	50
Coupling (dB)	6-60	6-60
Flatness (typical)	-1.0 dB	-1.0 dB
Input power (Watts)	1 to 80,000	1 to 80,000
VSWR (mainline)	1.20:1	1.20:1
Directivity (dB-typ.)	20–25	20–25
Line type	RG-214	RG-214
Connectors / Flange	N, SMA, L, LC, 7/16 DIN 7/8", 1 5/8", 3 1/8" EIA	N, SMA, L, LC, 7/16 DIN 7/8", 1 5/8", 3 1/8" EIA

\*This is the operating frequency range of the series. Models are bandwidth limited by frequency.

\*\*For airline couplers replace the "1" in the series number to "5" Ex....357 or 358.

