

DIRECTIONAL COUPLERS

For RF Applications in Amplifiers and Signal Monitor Points



- ⊕ Operating bandwidth of 5 MHz to 900 MHz
- ⊕ Extended temperature: -40°C to +85°C
- ⊕ 235°C peak IR reflow temperature rating
- ⊕ Low cost

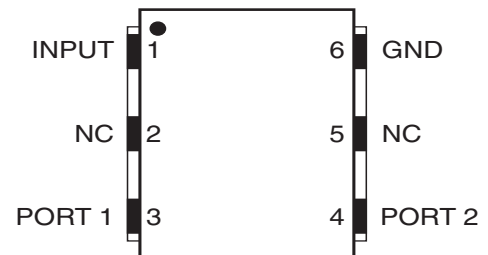
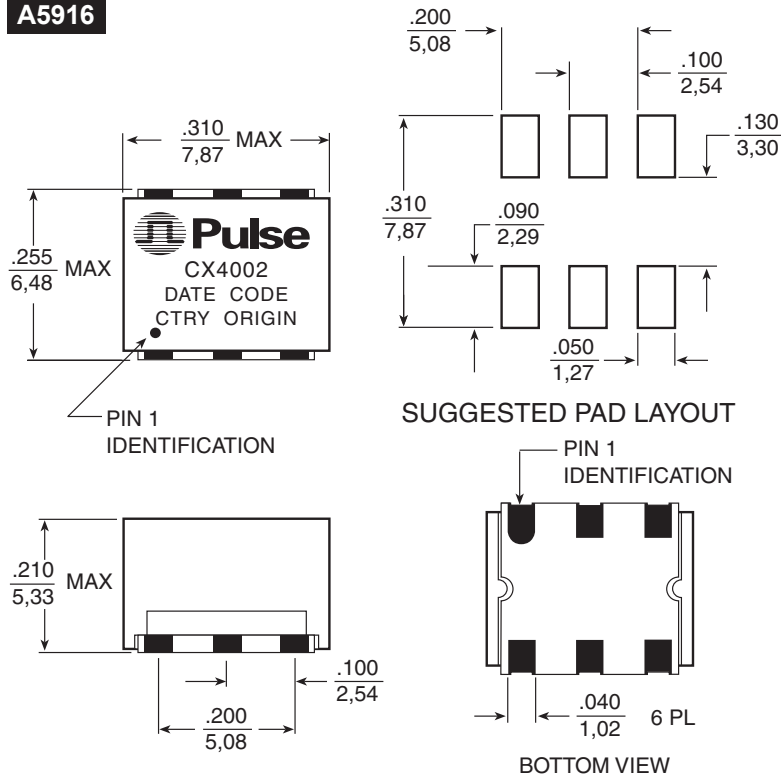
Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

Part Number	Frequency (MHz)	Z (Ω)	Coupling		Mainline Loss		Isolation (dB MIN)	VSWR		Termination (Pin 4 to GND.)
			Nom. (dB)	Flatness (dB MAX)	TYP (dB)	MAX (dB)		TYP (:1)	MAX (:1)	
A5916	5-900	75	16 ±0.5	0.8	0.8	1.4	18	1.2	1.6	*External

* A59XX series shall be terminated with a 91 Ω from Pin 4 to Ground to achieve listed performance.

Mechanical

A5916



Power Rating: 1 Watt, Max

Dimensions: $\frac{\text{Inches}}{\text{mm}}$
 Unless otherwise specified, all tolerances are $\pm \frac{.005}{0,13}$

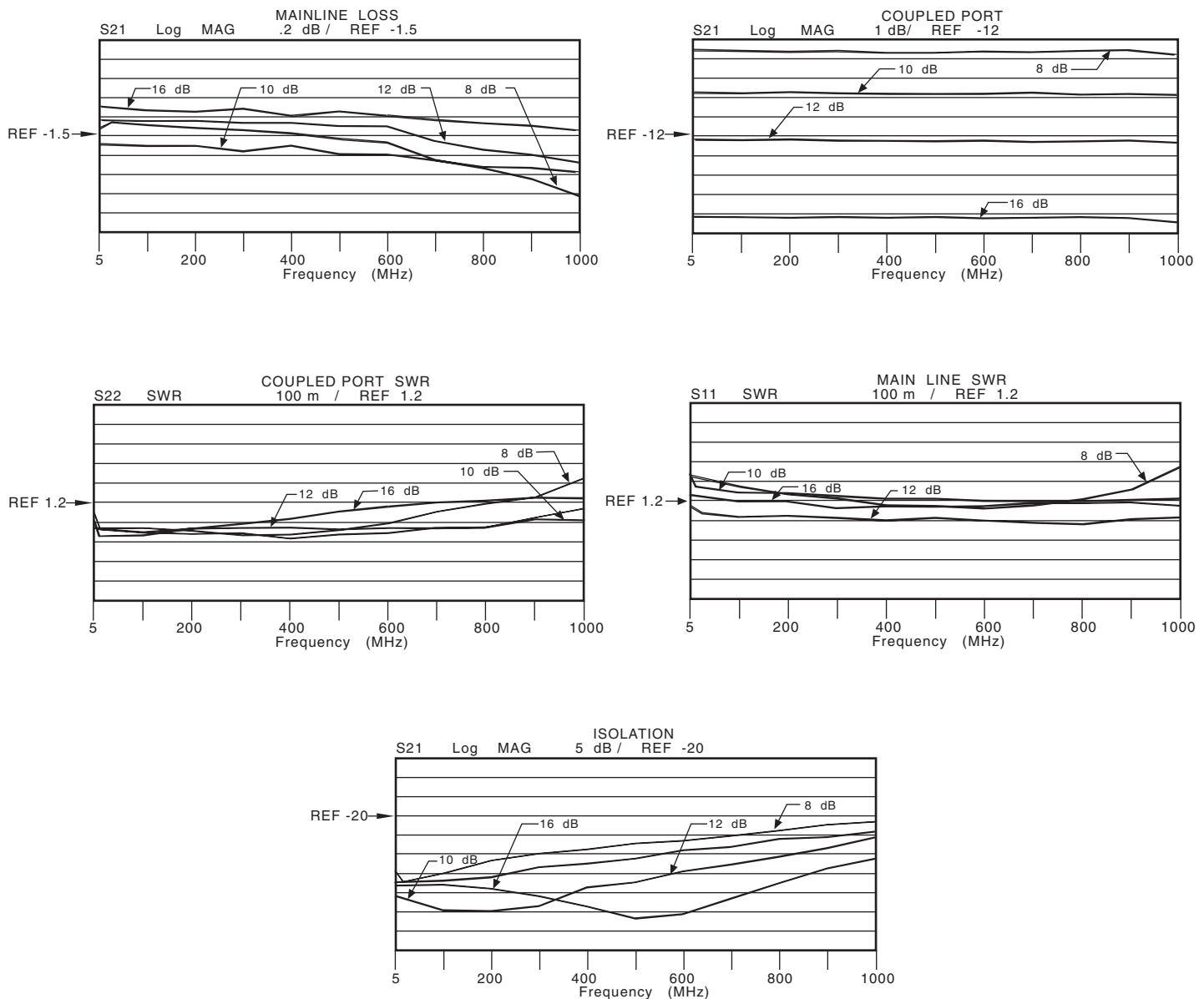
Weight 0.35 grams
 Tape & Reel 850/reel

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Typical S-Parameters



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A102.Q (4/09)

Mouser Electronics

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