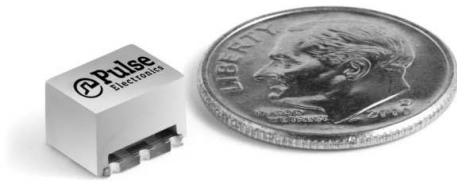







Directional Coupler

For RF Applications in Cable TV
Networking Equipment



-  16 dB coupling level
-  Value-oriented construction
-  Operating bandwidth of 5MHz to 900 MHz
-  Operating temperature: -40°C to +85°C
-  235°C peak IR reflow temperature rating

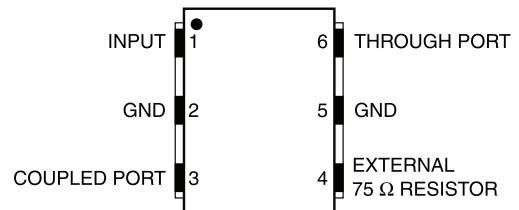
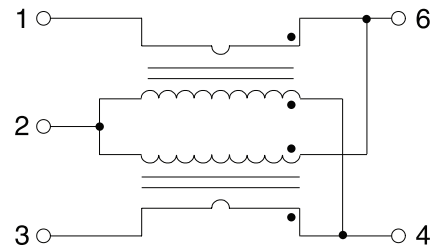
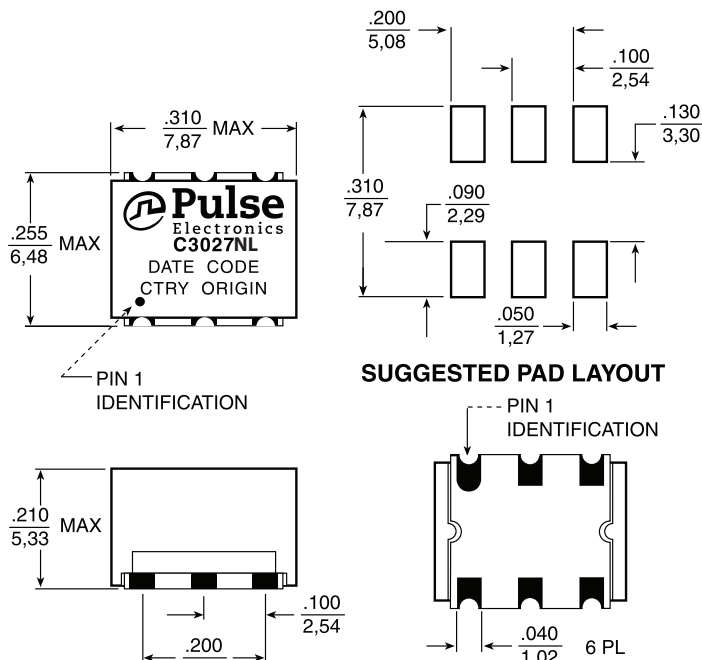
Electrical Specifications @ 25°C - Operating Temperature -40°C to +85°C

Part Number	Frequency (MHz)	Z (Ω)	Coupling		Mainline Loss		Isolation (dB MIN)	Return Loss	
			Nom. (dB)	Flatness (dB MAX)	TYP (dB)	MAX (dB)		TYP (dB)	MIN (dB)
C3027NL	5 - 900	75	16 +0.4/-0.6	0.6	0.6	1.3	18	22	17

Mechanical

Schematic

C3027NL



Weight0.35 grams

Tape & Reel850/reel

Tube65/tube

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified,
all tolerances are $\pm \frac{.005}{0,13}$

USA 858 674 8100

Germany 49 7032 7806 0

Singapore 65 6287 8998

Shanghai 86 21 62787060

China 86 755 33966678

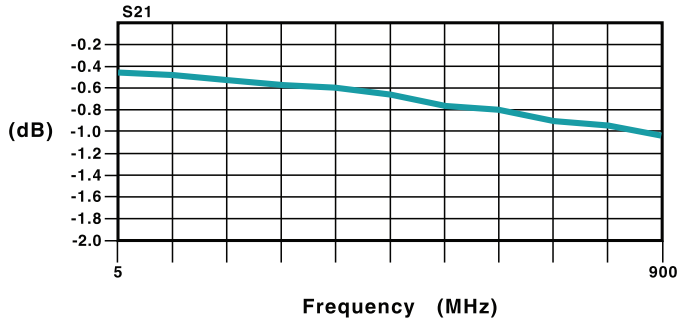
Taiwan 886 3 4356768

Directional Coupler

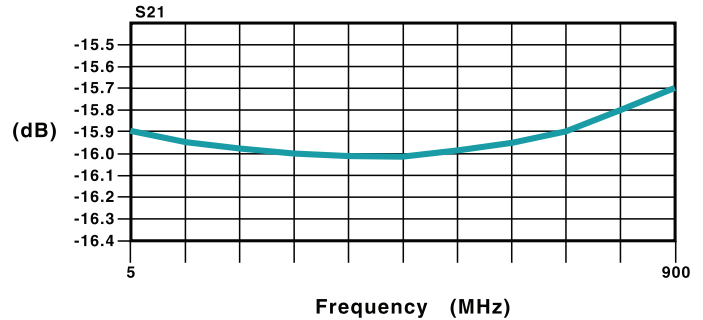
For RF Applications in Cable TV
Networking Equipment

Typical S-Parameters @ 25°C

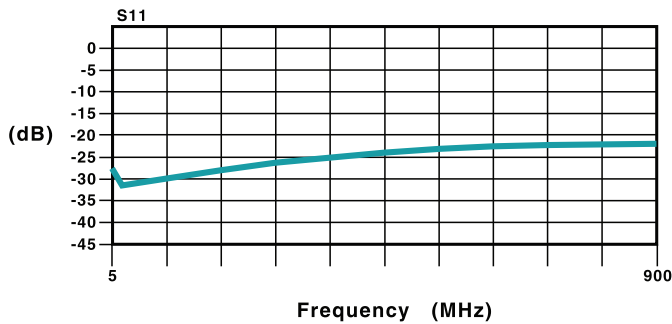
MAINLINE (THROUGH PORT)



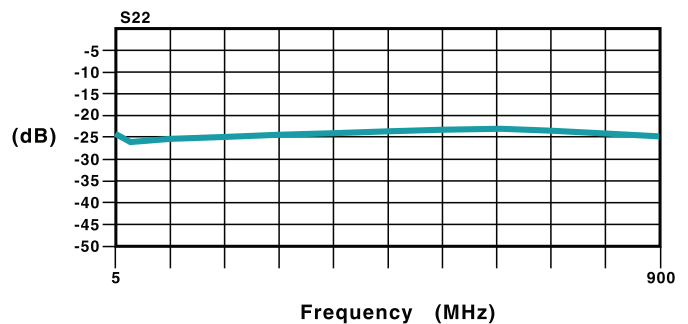
COUPLED PORT



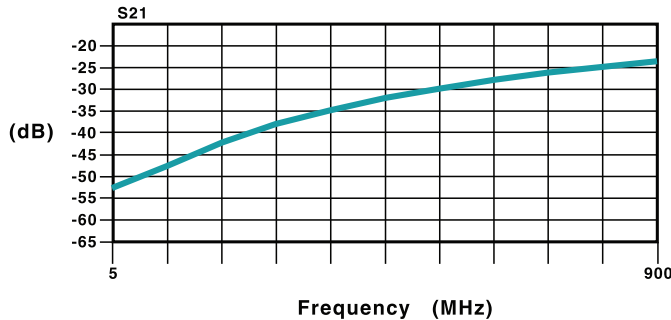
MAINLINE RETURN LOSS



COUPLED PORT RETURN LOSS



ISOLATION



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