

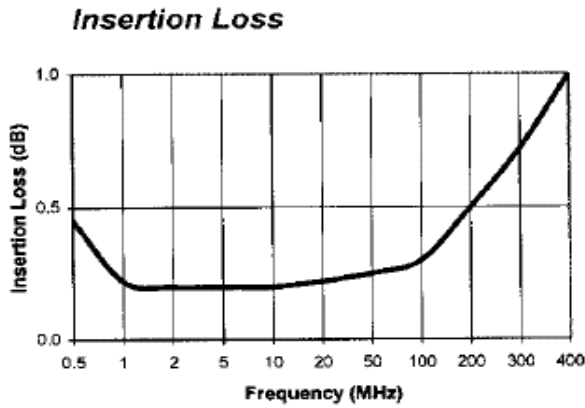
## DS-113 Electrical Specifications<sup>1</sup>: $T_A = -55^{\circ}\text{C}$ to $+85^{\circ}\text{C}$

Parameter	Test Conditions	Frequency	Units	Min	Typ	Max
Insertion Loss	Less Coupling	2 - 200 MHz	dB	—	—	0.75
		1 - 300 MHz	dB	—	—	1.0
Isolation	—	2 - 200 MHz	dB	30	—	—
		1 - 300 MHz	dB	20	—	—
Amplitude Balance	—	1 - 300 MHz	dB	—	—	0.25
Phase Balance	—	2 - 200 MHz	°	—	—	3
		1 - 300 MHz	°	—	—	4
VSWR	All Ports	2 - 200 MHz	Ratio	—	—	1.3:1
		1 - 300 MHz	Ratio	—	—	1.5:1

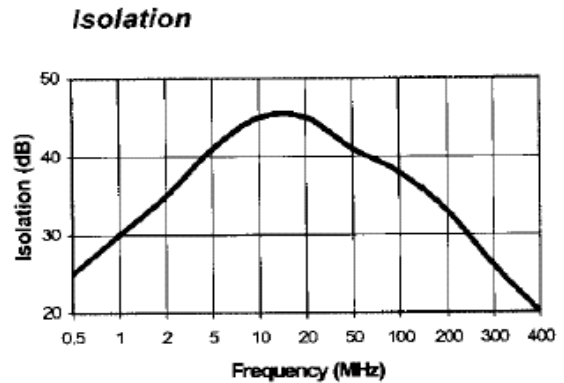
1. All specifications apply with 50 ohm source and load impedance.

## Typical Performance Curves

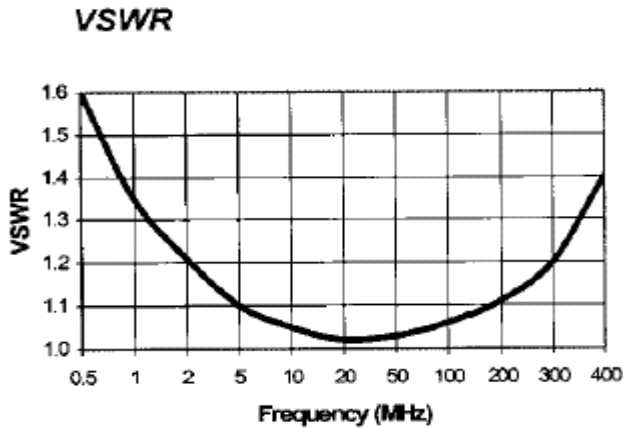
*Insertion Loss*



*Isolation*



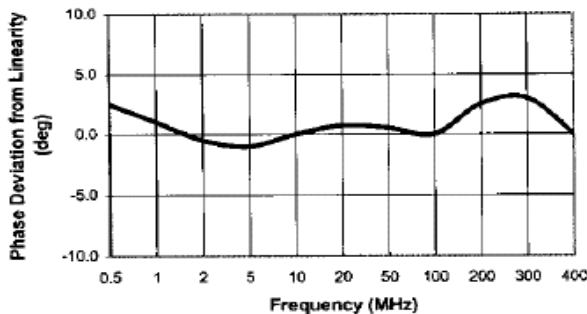
*VSWR*



## Ordering Information

Part Number	Package
DS-117 PIN	FP-3
DS-308 BNC	C-8
DS-308 N	C-8
DS-308 SMA	C-8

*Phase Linearity*



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