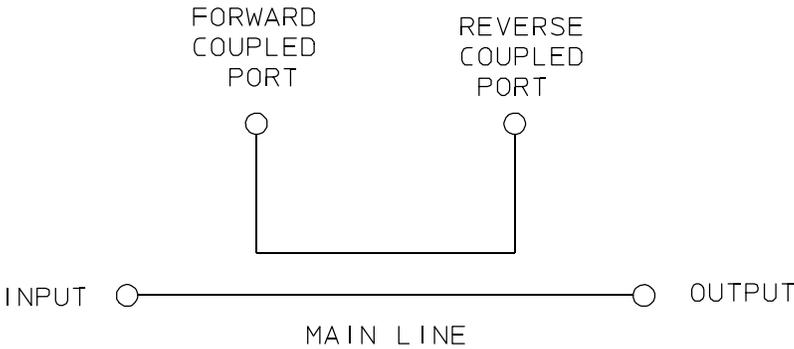


C-114 & C-115

BI-DIRECTIONAL COUPLERS

5 to 500 MHz / Multi-Octave Range / High Directivity / Low Insertion Loss / TO-5 Header



PRINCIPAL SPECIFICATIONS							
Model Number	Frequency Range, MHz	Performance Bandwidth, MHz	± Coupling Value, dB, Nom.	Frequency Sensitivity, dB, Max.	Directivity, dB, Min.	*Insertion Loss, dB, Max.	VSWR Max.
C-114	5 - 500	10 - 200	10 ±1.0	± 0.5	20	0.6	1.3:1
		5 - 500	10 ±1.0	± 0.7	15	1.0	1.5:1
C-115	5 - 500	10 - 200	20 ±1.0	± 0.5	20	0.6	1.3:1
		5 - 500	20 ±1.0	± 0.7	15	1.0	1.5:1

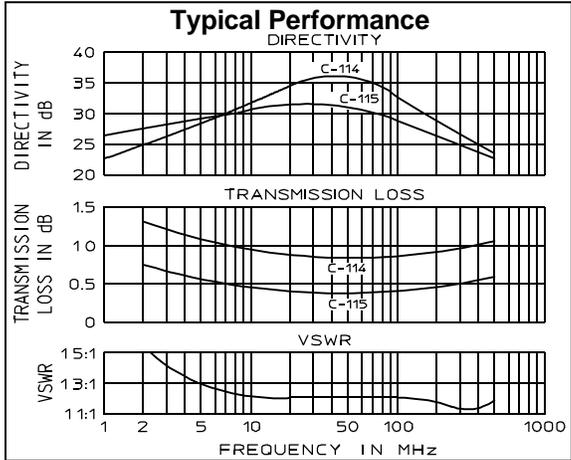
± Coupling is Referenced to the Input * Insertion Loss excludes insertion loss

GENERAL SPECIFICATIONS

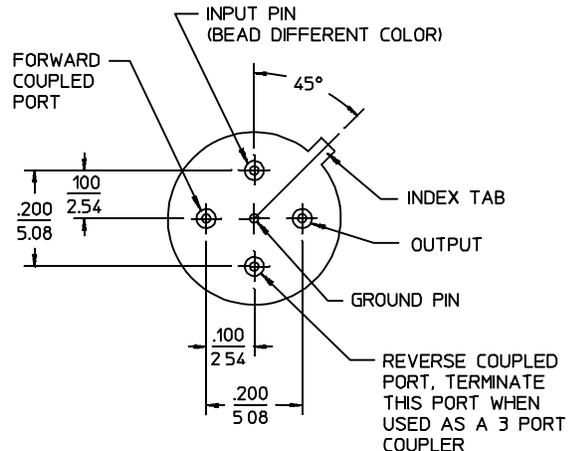
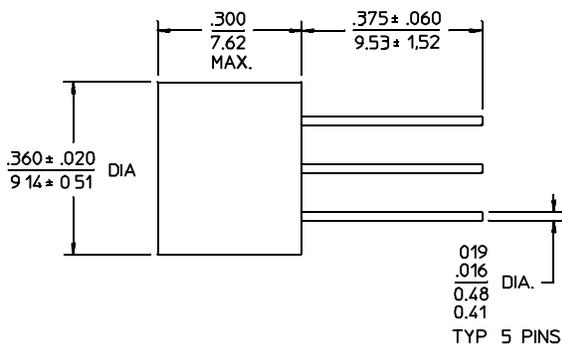
Impedance: 50 Ω nom.
 CW Input: 1 W max.
 Weight, nominal: 0.07 oz (2 g)
 Operating Temperature: - 55° to +85°C

General Notes:

- The C-114 and C-115 models are bi-directional couplers comprising four-port networks.
- All ports are accessible permitting external use of the fourth port for reflected signal sampling.
- Each model has been designed for wide bandwidth, minimum size and low cost.



Package Outline



NOTES: 1. Tolerance on 3 place decimals ±.010(.25) except as noted.
 2. Dimensions in inches over millimeters.

24Apr96