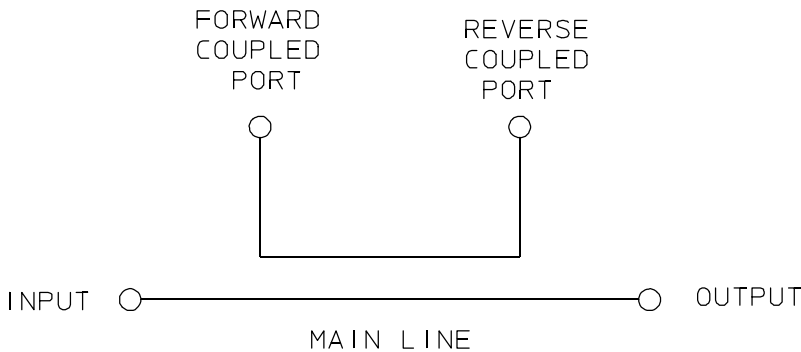


C-114 & C-115

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

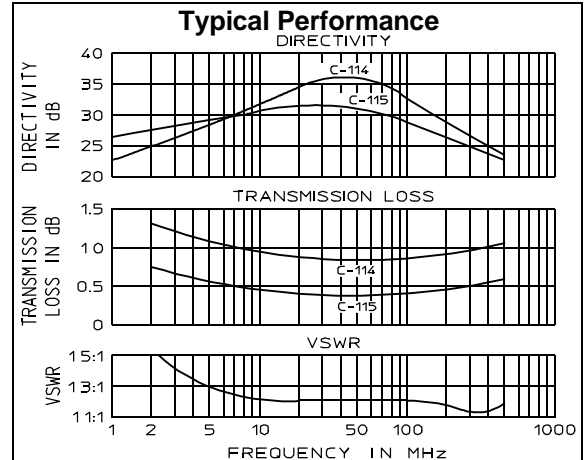
* Insertion Loss excludes insertion loss

GENERAL SPECIFICATIONS

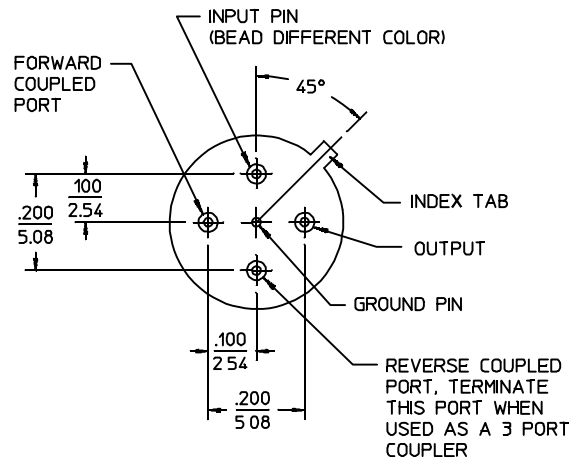
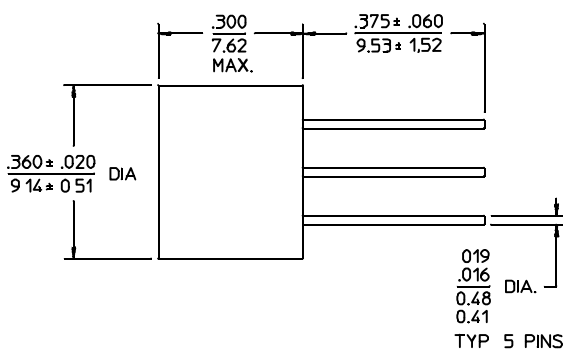
Impedance: 50 Ω nom.
CW Input: 1 W max.
Weight, nominal: 0.07 oz (2 g)
Operating Temperature: - 55° to +85°C

General Notes:

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



Package Outline



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

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