



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

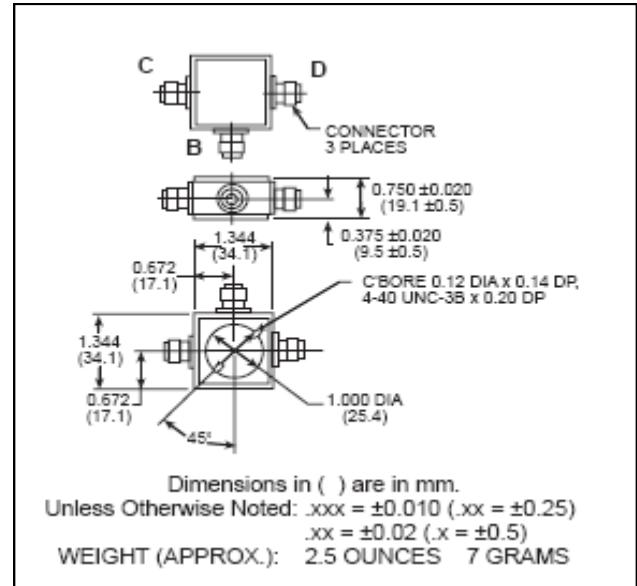
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## Features

- Broadband Frequency Range
- Isolation - 25 dB Min
- Insertion Loss - 0.8 dB Max

## C-7



## Guaranteed Specifications: From -55°C to +85°C

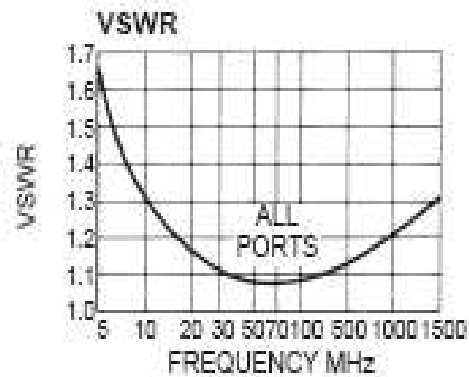
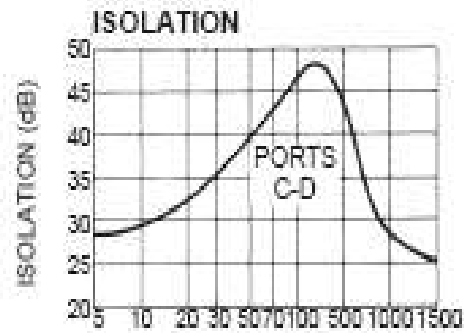
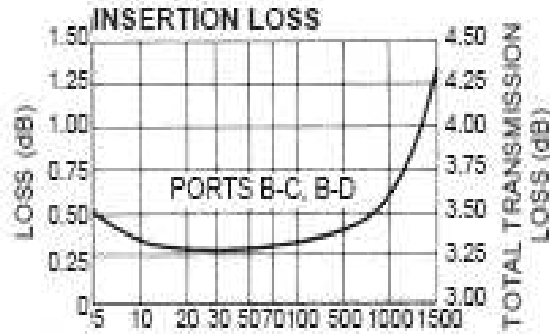
| Frequency Range                |              | 10-1000 MHz |
|--------------------------------|--------------|-------------|
| Insertion Loss (less coupling) | 10-500 MHz   | 0.5 dB Max  |
|                                | 500-1000 MHz | 0.8 dB Max  |
| Isolation                      |              | 25 dB Min   |
| Amplitude Balance              |              | 0.2 dB Max  |
| VSWR (All Ports)               | 10-500 MHz   | 1.5:1 Max   |
|                                | 500-1000 MHz | 1.3:1 Max   |
| Phase Balance                  |              | 2° Max      |

## Operating Characteristics

| Parameter   | Absolute Maximum |
|---|------------------|
| Impedance   | 50 Ohms Nominal  |
| Maximum Power Rating<br>Or Input Power            | 2.0 Watt Max     |
| Internal Load Dissipation                         | 0.5 Watt Max     |
| Environmental<br>MIL-STD-202 screening available. |                  |

\* All specifications apply with 50 ohm source and load impedance.

## Typical Performance Curves



## Ordering Information

| Part Number | Package       |
|-------------|---------------|
| T-1000 BNC  | Connector zed |
| T-1000 SMA  | Connector zed |
| T-1000 TNC  | Connector zed |
| T-1000 N    | Connector zed |

## Functional Diagram

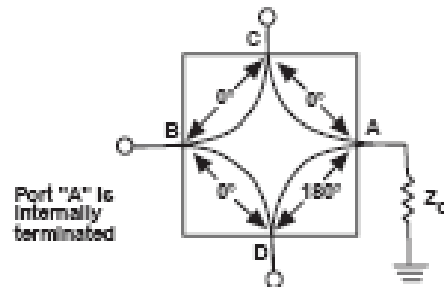


Figure 1. 2-Way, In-Phase (0°) Power Divider/Summer, or ISO-T

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