Universal Microwave Components Corp.
5702-D General Washington Drive Alexandria, VA 22312 <> Web: www.umcc111.com
E-mail: sales@umcc111.com <> Tel: (703) 642-6332 <> Fax: (703) 642-2568

Model: BC-050A-11B

Description: ..... 11 dB Bi-Directional-Coupler
Operating Frequency:..... 1 - 500 MHz
Coupling (reference to input):..... 11 ± 1 dB Nominal
Coupling Flatness: ..... ± 0.6 dB Max
Insertion Loss (including coupled power):

1 - 100 MHz	100 - 500 MHz
2.5 dB Max	3.2 dB Max

VSWR:

1 - 2 MHz	2 - 500 MHz
1.65:1 Max	1.40:1 Max

Directivity:

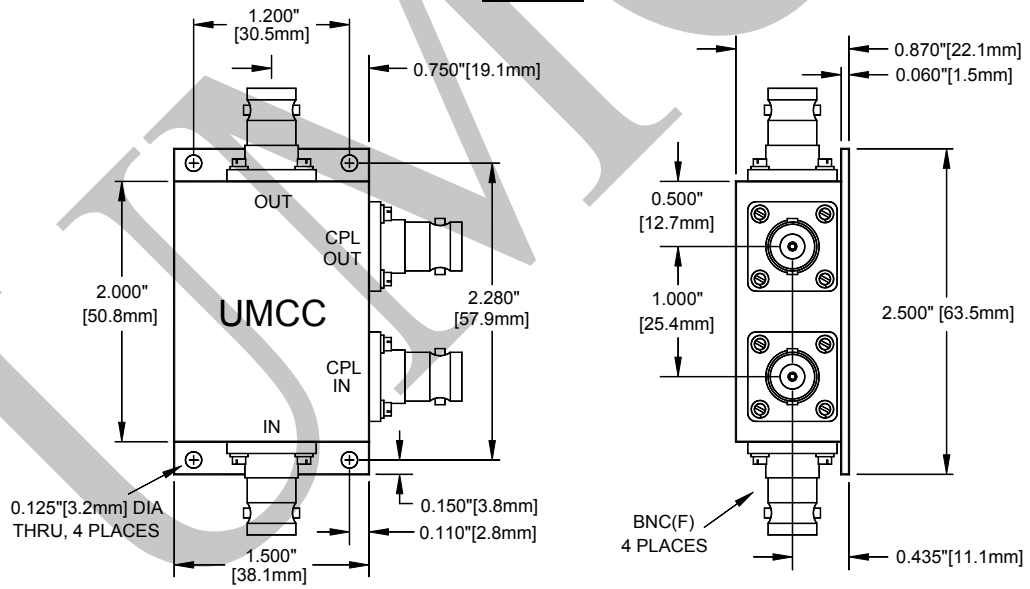
1 - 300 MHz	300 - 500 MHz
35 dB Min	25 dB Min

Power Handling:..... 1W CW / Peak
Connectors:..... BNC (f)
Impedance: ..... 50 Ω Nominal
Quality:..... Best-Commercial-Grade

Environmental Ratings:

Temperature:..... {Operating: -40°C to +85°C} & {Storage: -50°C to +100°C}
Humidity:..... MIL-STD-202F, Method 103B, Cond. B (96 hours at 95% R.H.)
Shock:..... MIL-STD-202F, Method 213B, Cond. B (75G, 6mSec)
Vibration:..... MIL-STD-202F, Method 204D, Cond. B (.06" double amplitude, or 15G)
Altitude:..... MIL-STD-202F, Method 105C, Cond. B (50,000 Feet)
Temp. Shock:..... MIL-STD-202F, Method 107D, Cond. A (5 cycles)

Outline



Weight
3.7 oz [104.9 g]

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- Specifications are subject to change without notice