Universal Microwave Components Corp.
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E-mail: sales@umcc111.com <> Tel: (703) 642-6332 <> Fax: (703) 642-2568

Model: DC-0500-20N

Description: ..... Directional Coupler
Operating Frequency: ..... 1-500 MHz
Coupling (reference to input): ..... 20 ± 1 dB Nominal
Coupling Flatness: ..... ± 1.0 dB Max
Insertion Loss (including coupled power): ..... 0.9 dB Max

VSWR:

1-2 MHz	2-500 MHz
1.5:1 Max	1.35:1 Max

Directivity:

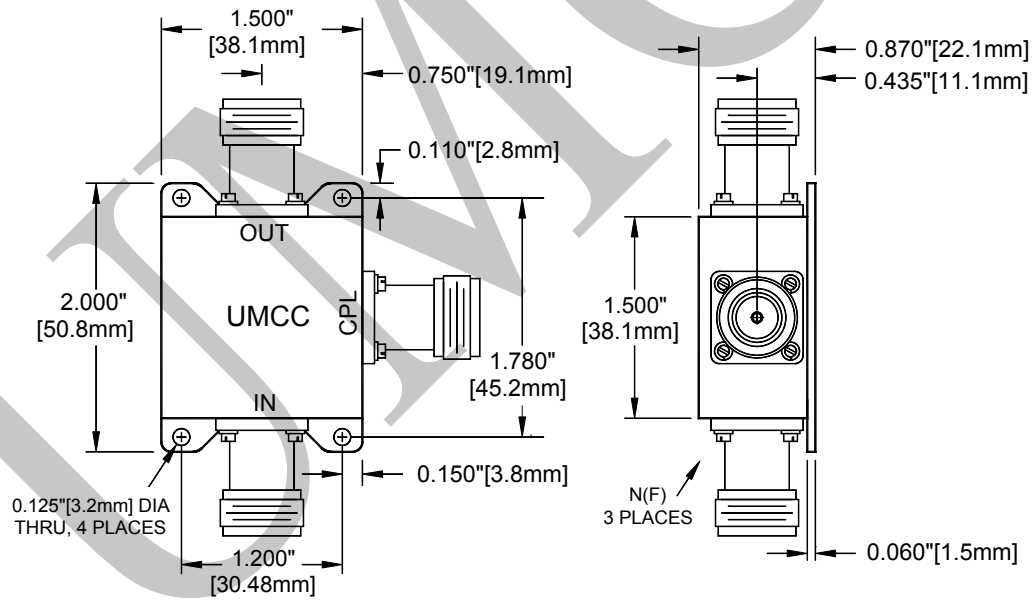
1-100 MHz	100-500 MHz
25 dB Min	20 dB Min

Power Handling: ..... 2W CW / Peak
Connectors: ..... N (f)
Impedance: ..... 50Ω 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	Tolerances
3.7 oz [105 g]	±0.015" [±0.38mm]

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