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: AG-T000-60V

Description: ..... Voltage Controlled PIN Attenuator
Operating Frequency: ..... 1 – 18 GHz
Insertion Loss (0dB Attn. Ref.): ..... 5.7 dB Max
Attenuation Range: ..... 0 - 60 dB Nominal
Attenuation Flatness:

Attenuation (dB):	≤ 10	≤ 20	≤ 30	≤ 40	≤ 50	≤ 60
Flatness(dB): Peak-Peak Max	1.2	1.5	2.8	3.8	4.7	6.0

Control Function: ..... 0 – 6V, 10dB/V, (Impedance = 5~10K)
Transfer Function Accuracy: ..... 0 – 30 dB ..... ±0.5 dB Max
..... >30 – 60 dB ..... ±1.0 dB Max
VSWR (all settings): ..... 1.9:1 Max
Settling Time ("±1dB of Target Setting"): ..... 1μs Max (10μs<PW<0.1S)
Power Handling: ..... Operating ..... +20 dBm CW/Peak Max
..... Survival ..... +30 dBm CW/Avg Max
Temperature Coefficient (Over Operating Range): ..... ±0.025 dB/ºC
Power Supply (internally regulated): ..... +12 to +15Vdc @ 150 mA Max
Connectors (RF): ..... SMA (female), Removable
Connector (Supply & Controls): ..... Solder Pins
Impedance: ..... 50 Ohms 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)

Available Options:
(Units with listed options here may be subject to some specification tradeoffs from the standard, consult factory)

■ RF Connectors
- B1 [J1 SMA (male)]
- B2 [All SMA (male)]

■ Control Connector
- C1 [SMC (Jack), 50 Ω]
- C2 [SMB (Jack), 50 Ω]
- C3 [SMA (female)]

■ Transfer Functions
- F1 [Slope = 5dB/V , 0 – 12V Control]
- F3 [Reverse Control Voltage (0V = Max Attenuation)]

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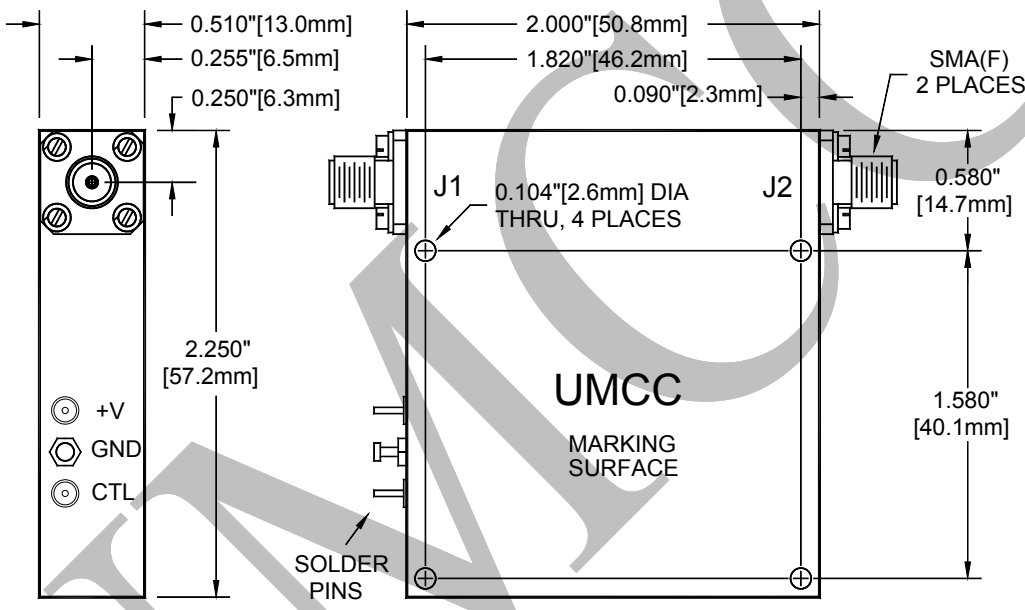
Outline



Weight	Tolerances
2.7 oz [77 g]	±0.015" [±0.38mm]

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