



Model: AG-U000-30V

Description:..... Voltage Controlled PIN Attenuator
 Operating Frequency:..... 0.4 – 18 GHz
 Insertion Loss (0dB Attn. Ref.):..... 3.4 dB Max
 Attenuation Range:..... 0 - 30 dB Nominal
 Attenuation Flatness:

Attenuation (dB):	≤ 10	≤ 20	≤ 30
Flatness(dB): Peak-Peak Max	1.2	2.2	3.4

Control Function: 0 – 3V, 10dB/V, (Impedance = 5~10K)
 Transfer Function Accuracy:..... 0 – 30 dB..... ±0.5 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/°C
 Power Supply (internally regulated): +12 to +15Vdc @ 100 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)]

■ Transfer Functions

- F1 [Slope = 5dB/V , 0 – 6V Control]
- F3 [Reverse Control Voltage (0V = Max Attenuation)]

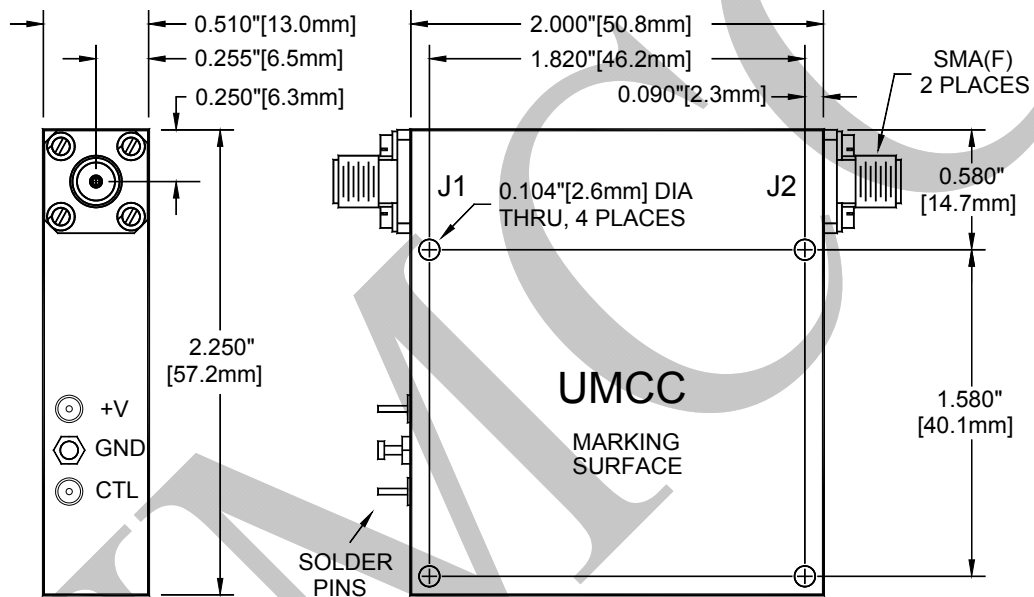
■ Control Connector

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



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Outline



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