



Model: AG-T000-60V

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| Description: | Voltage Controlled PIN Attenuator |
| Operating Frequency: | 1 – 18 GHz |
| Insertion Loss (0dB Attn. Ref.): | 6.8 dB Max |
| Attenuation Range: | 0 - 60 dB Nominal |
| Attenuation Flatness: | 0 – 10 dB 1.4 dB Peak-Peak Max |
| | >10 – 20 dB 1.6 dB Peak-Peak Max |
| | >20 – 30 dB 2.6 dB Peak-Peak Max |
| | >30 – 40 dB 3.6 dB Peak-Peak Max |
| | >40 – 50 dB 4.2 dB Peak-Peak Max |
| | >50 – 60 dB 5.0 dB Peak-Peak Max |
| 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): | 2:1 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 @ 150 mA Max |
| Connectors (RF): | SMA (female), Removable |
| Connector (Supply & Controls): | Solder Pins |
| Impedance: | 50 Ohms Nominal |
| Quality: | Best-Commercial-Grade |

Environmental Ratings:

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| 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:

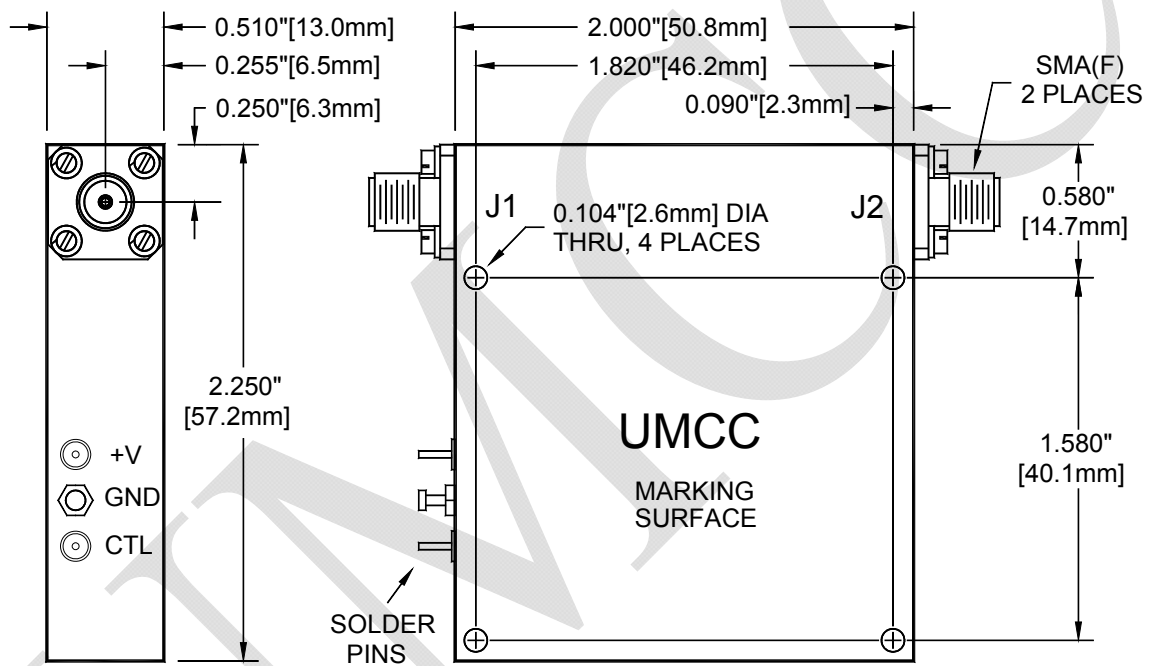
(Units with listed options here may be subject to some specification tradeoffs from the standard, consult factory)

- 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)]
- Control Impedance
 - D1 [50 Ω, Internally Terminated]
- Transfer Functions
 - F1 [Slope = 5dB/V , 0 – 12V Control]
 - F3 [Reverse Control Voltage (0V = Max Attenuation)]



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Outline



(Tolerances: ± 0.015 " [0.38mm] <> Weight = 2.7oz [77g])