



Model: AT-3000-30V

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| Description:..... | Voltage Controlled PIN Attenuator |
| Operating Frequency:..... | 100 – 3000 MHz |
| Insertion Loss (0dB Attn. Ref.):..... | 2.5 dB Max |
| Attenuation Range:..... | 0 - 30 dB Nominal |
| Attenuation Flatness:..... | 0 – 20 dB..... 0.3 dB Peak-Peak Max |
| | >20 – 30 dB..... 0.6 dB Peak-Peak Max |
| Control Function:..... | 0 – 3V, 10dB/V, (Impedance = 5~10K) |
| Transfer Function Accuracy:..... | 0 – 30 dB..... ±0.5 dB Max |
| VSWR (all settings):..... | 1.5:1 Max |
| Settling Time ("±1dB of Target Setting"):..... | 5µs Max (15µs<PW<0.1S) |
| Power Handling:..... | Operating..... +14 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 @ 130 mA |
| | -12 to -15Vdc @ 60 mA |
| 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:

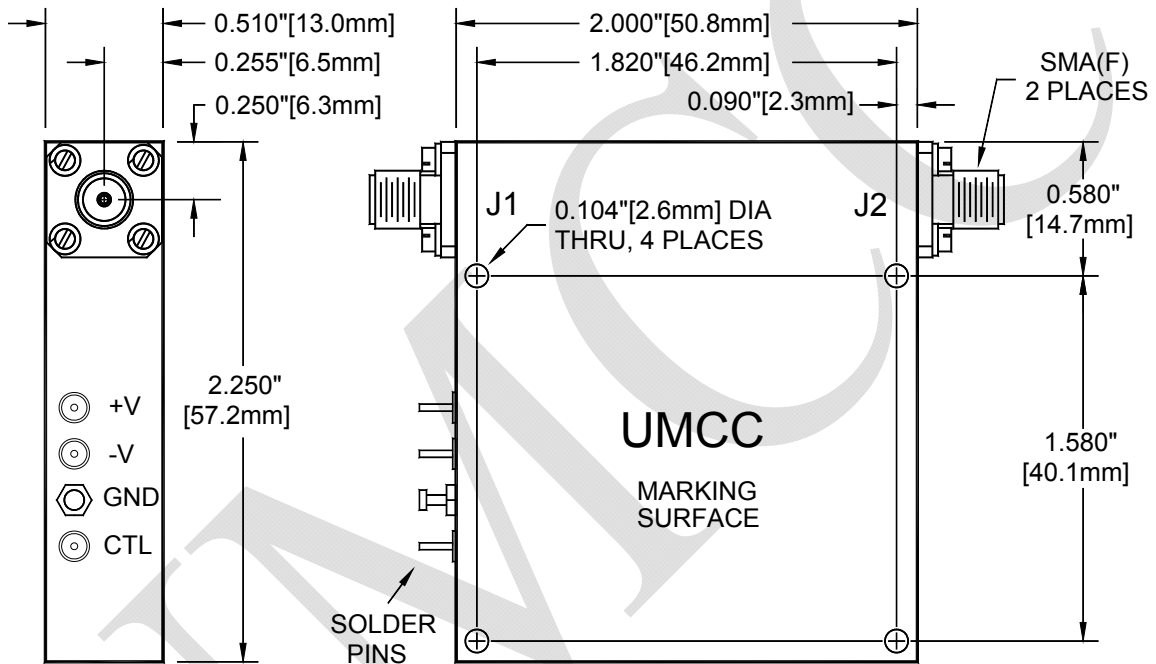
(Units with listed options here may be subject to some specification tradeoffs from the standard, consult factory)

- 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 – 6V Control]
 - F3 [Reverse Control Voltage (0V = Max Attenuation)]



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Outline



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