



Model: AE-D000-40C

Description:.....	Current Controlled PIN Attenuator
Operating Frequency:.....	1.5 – 4.3 GHz
Phase-Invariant Frequency Region (± 10 Deg)..	1.95 – 3.8 GHz
Insertion Loss (0dB Attn. Ref.):	1.8 dB Max
Attenuation Range:.....	0 – 40 dB Nominal Min
Attenuation Flatness:.....	0.5 dB Peak-Peak up to 10 dB
.....	0.9 dB Peak-Peak up to 20 dB
.....	1.2 dB Peak-Peak up to 30 dB
.....	1.5 dB Peak-Peak up to 40 dB
Control Function:	0 – 10 mA Forward Current (approx.)
VSWR (all settings):	1.7:1 Max
Settling Time (“ ± 1 dB of Target Setting”):.....	500 ns Max, (5 μ s<PW<0.1s)
Power Handling:	Operating..... +20 dBm CW/Peak Max
.....	Survival..... +30 dBm CW/AVG Max
Connectors (RF):.....	SMA (f), 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)

Outline

