



Model: AT-Q000-HC

Description:	Current Controlled PIN Attenuator
Operating Frequency:	6 - 12 GHz
Insertion Loss (0dB Attn. Ref.):	2.5 dB Max
Attenuation Range:	0 - 60dB Nominal Min
Attenuation Flatness:	0.8 dB PK-PK up to 10 dB
	1.8 dB PK-PK up to 20 dB
	2.8 dB PK-PK up to 30 dB
	3.2 dB PK-PK up to 40 dB
	3.6 dB PK-PK up to 60 dB
Control Function:	0 – 10 mA Forward Current (approx.)
VSWR (all settings):	1.5:1 Max
Settling Time ("±1dB of Target Setting"):	500 ns Max, (5µs<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)

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)]

Outline

("A" = 0.325" [8.3mm] <> Tolerances: ±0.015" [0.38mm])

