



WIDE BAND DIGITAL CONTROL ATTENUATOR MDC040080R60B7

FEATURES

- Whole Solid State, Mixture Integrated
- Low Power Consumption
- Excellent Flatness & Accuracy
- Miniature Sizes for drop-In available

APPLICATIONS

- Military & Space
- Radar & Electronic warfare
- Test Equipment



ELECTRICAL SPECIFICATIONS @ 25°C:

Parameter	Min	Typical	Max	Units
Frequency Range	4		8	GHz
Insertion Loss			6	dB
Mean attenuation Range	0		63	dB
Step Size			0.5	dB
Control bits		7		bits
Attenuation accuracy			±1.5	dB
Speed			150	ns
Flatness		±1.5		dB
VSWR			2:1	Ratio
DC Power +5V		50		mA
DC Power -5V		50		mA

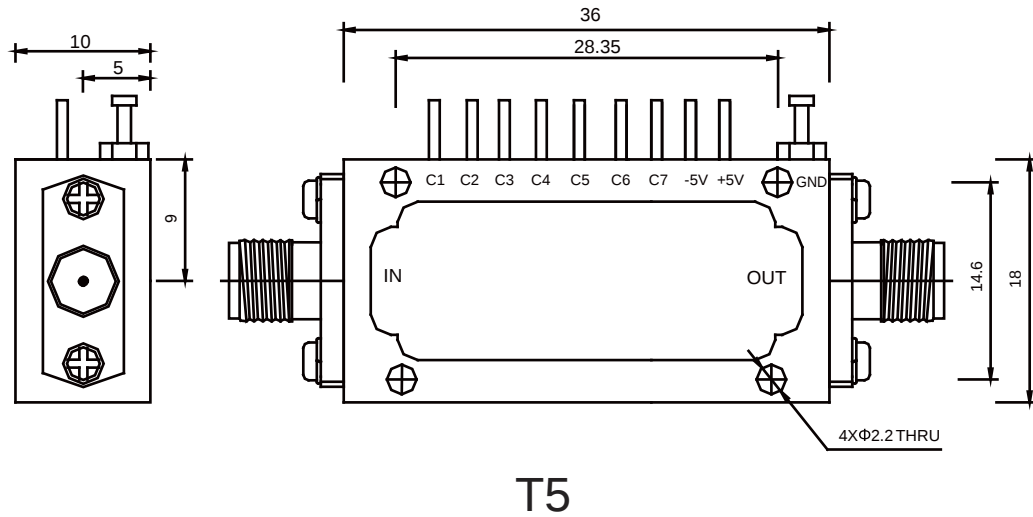
ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Max Input Power			27	dBm
Operating Temperature	-40		+70	°C
Non-operating Temperature	-55		85	°C
Relative humidity (non-condensing)		95		%
Altitude (MIL-STD-810F)	10000		30000	feet
Shock / Vibration (MIL-STD-810F)		Airbone		
ROHS		Compliant		

MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions	36*18*10		Millimeter
Weight	100	type	gram
RF Connectors Input	SMA-F removable		
RF Connectors output	SMA-F removable		
Impedance	50		ohms

OUTLINE DRAWING(mm):



TEST DATA:

Frequency range(GHZ)	Insertion Loss(dB)	Attenuation Range (dB)	Step Size (dB)	Control bits	Input VSWR Max	Output VSWR Max
4~8	5.9	0~63	0.5	7	1.52	1.54