



WIDE BAND DIGITAL CONTROL ATTENUATOR

MDC120180R30B6

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	12		18	GHz
Insertion Loss			4.5	dB
Mean attenuation Range	0		30	dB
Step Size			0.5	dB
Control bits		6		bits
Attenuation accuracy			±1	dB
Speed			150	ns
Flatness		±1		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	30*18*10		Millimeter
Weight	100	type	gram
RF Connectors Input	SMA-F removable		
RF Connectors output	SMA-F removable		
Impedance	50		ohms



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OUTLINE DRAWING(mm):

