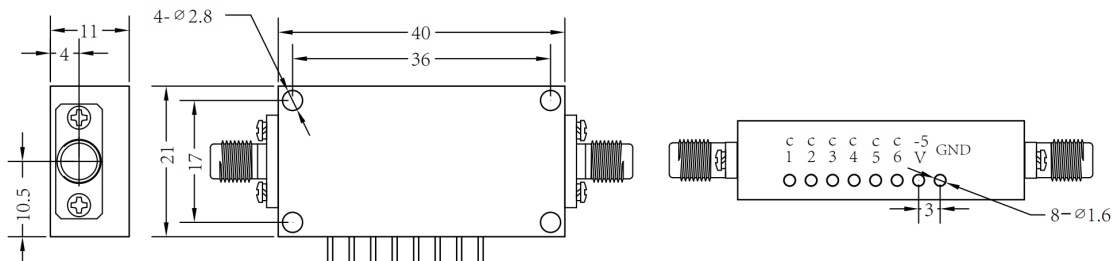


SMA Digital Controlled Attenuator, **RAD10S6-31-05** DC-10GHz, 0-31.5dB, Bidirectional, Rectangular



Dimensions(mm) Tolerance $\pm 1\%$



Electrical & Environmental

Frequency Range	DC-10GHz , 50Ohms
VSWR	2 Max
Insertion Loss	4.5dB Max
Direction	Bidirectional, SMA female to SMA female
Attenuation	0-31.5dB 0.5/1.0/2.0/4.0/8.0/16.0/31.5dB
Attenuation Step	0.5dB
Control Bits	6 Bits
Power supply	5V, "0" —0V "1" —+5V
Operating Temp	-55°C to +85°C

Attenuation&Accuracy(DC-10GHz)

Attenuation(dB)	1-31.5
Accuracy(dB)	± 0.7

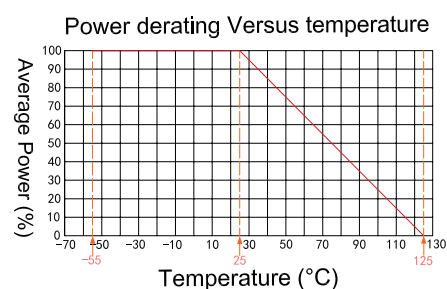
Control Mode

ATT(dB)	C1	C2	C3	C4	C5	C6
Direct state	0	0	0	0	0	0
0.5	1	0	0	0	0	0
1.0	0	1	0	0	0	0
2.0	0	0	1	0	0	0
4.0	0	0	0	1	0	0
8.0	0	0	0	0	1	0
16.0	0	0	0	0	0	1
31.5	1	1	1	1	1	1

Mechanical & Product Information

Product Number	RAD10S6-31-05
Product Type	Digital Controlled Attenuator
Connector	SMA female, SMA female
Connector Body	Passivated stainless steel
Center Contact	Gold plated beryllium copper
Heat Sink	N/A

Notes: Input high power, require heat dissipation, maintain temperature within 80°C. Reference Curve, derate linearly to W at 100°C.



Customization and selection, Refer to RFTOP attenuator selection and usage guide.