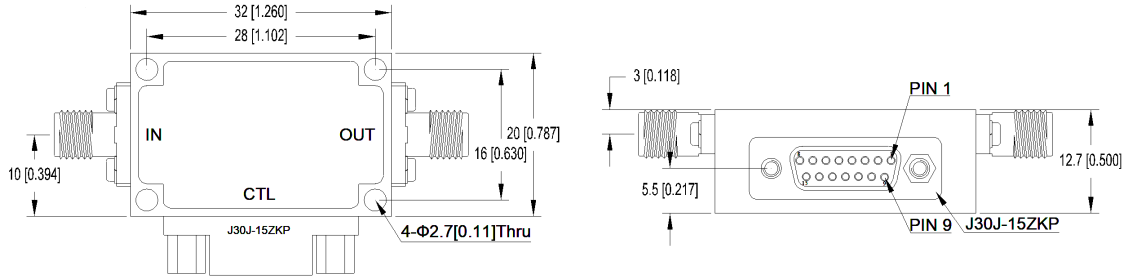


## SMA Digital Controlled Attenuator, RAD20S6-31-05 9KHz-20GHz, .32W, 0-31.5dB, Bidirectional, Rectangular

### Dimensions(mm) Tolerance±1%



### Electrical & Environmental

<b>Frequency Range</b>	9KHz-20GHz , 50Ohms
<b>VSWR</b>	2 Max (Typ 1.6)
<b>Insertion Loss</b>	6dB Max
<b>Input Avg Power</b>	.32W @25°C
<b>Direction</b>	Bidirectional, SMA female to SMA female
<b>Attenuation</b>	0-31.5dB 0.5/1.0/2.0/4.0/8.0/16.0/31.5dB
<b>Attenuation Step</b>	0.5dB
<b>Control Bits</b>	6 Bits
<b>Power supply</b>	5V, "0" ---0-0.5V "1" ---+3-+5V
<b>Operating Temp</b>	-55°C to +85°C

### Attenuation&Accuracy(9KHz-20GHz)

Attenuation(dB)	0.5-16	17.5-31.5
Accuracy(dB)	±0.8	±1.0

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

<b>Product Number</b>	RAD20S6-31-05
<b>Product Type</b>	Digital Controlled Attenuator, P-Grade
<b>Connector</b>	SMA female, SMA female
<b>Connector Body</b>	Passivated stainless steel
<b>Center Contact</b>	Gold plated beryllium copper
<b>Heat Sink</b>	N/A
<b>Net Weight</b>	About 25.0g

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

Notes: Input high power, require heat dissipation, maintain temperature within 80°C. Reference Curve, derate linearly to 0.0W at 100°C.

