CRYSTEK MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

CATTEN-06R0
6dB Attenuator
SMA 50 Ohm
DC to 3 GHz

RoHS Compliant

CRYSTEK CORPORATION
MADE IN THE USA

Temperature Range:	-40°C to +85°C
Rated Power:	1 Watt Max
Frequency Range:	DC to 3 GHz
VSWR:	1:1.3 Max
Impedance:	50 Ohms
Attenuation Tolerance:	±0.3 dB Typical

The Attenuator offers end users a rugged SMA attenuator housing for easy connection. The CATTEN-06R0 provides 1 Watt of power dissipation. Tolerance matching is used to provide superior temperature tracking to individual components. Attenuator frequency range is from DC to 3 GHz.

Test	Condition of Test	Test Results	
		0.5dB to 5dB	6dB to 20dB
Endurance Test per EIA 575-3.14	1000 hrs at 70°C, 1.5 hrs "ON", 0.5 hrs "OFF"	± 0.2 dB	± 0.3 dB
Overload	Per EIA 575-3.6 Short time overload	± 0.2 dB	± 0.3 dB
Thermal Shock	Per EIA 575-3.5	± 0.2 dB	± 0.3 dB
Moisture Resistance	Per EIA 575-3.10	± 0.2 dB	± 0.3 dB
High Temperature Exposure	Per EIA 575-3.7	± 0.2 dB	± 0.3 dB
Low Temperature Exposure	Per EIA 575-3.12	± 0.2 dB	± 0.3 dB

Product Control:			
Crystek Part Number:	CATTEN-06R0	Release Date:	08-Jun-2026
Revision Level:	E	Responsible:	K. Piotrowicz

Crystek Corporation reserves the right to make changes to its products and/or information contained herein without notice. No liability is assumed as a result of its use or application.

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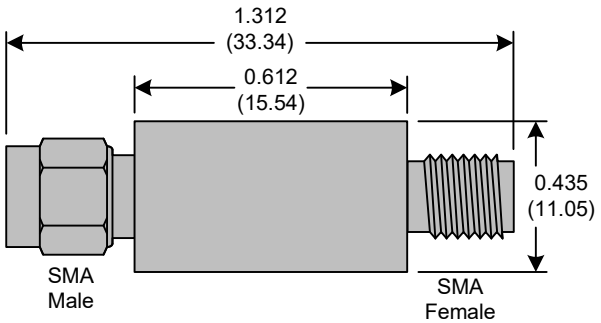
Part Number	Attenuation (dB)	Max Power (Watts)
CATTEN-01R0	1.0	1
CATTEN-01R5	1.5	1
CATTEN-02R0	2.0	1
CATTEN-03R0	3.0	1
CATTEN-04R0	4.0	1
CATTEN-05R0	5.0	1
CATTEN-06R0	6.0	1
CATTEN-07R0	7.0	1
CATTEN-08R0	8.0	1
CATTEN-09R0	9.0	1
CATTEN-0100	10.0	1
CATTEN-0150	15.0	0.5
CATTEN-0180	18.0	0.5
CATTEN-0200	20.0	0.5



6 dB Data		Return Loss	
Freq. (MHz)	Atten (dB)	Male (dB)	Female (dB)
0.3	5.91	42	42
0.5	5.95	42	42
0.8	5.94	43	43
1.0	5.92	43	43
5.0	5.92	46	46
10.0	5.92	51	50
20.0	5.93	55	53
50.0	5.92	48	46
100.0	5.92	43	41
200.0	5.94	38	36
300.0	5.95	36	34
400.0	5.96	35	32
500.0	5.96	62	30
600.0	5.96	60	28
700.0	5.97	29	27
800.0	5.97	28	26
900.0	6.00	27	25
1000.0	6.00	26	24
1500.0	6.07	23	22
2000.0	6.07	22	21
2500.0	6.05	20	20
3000.0	6.28	18	19

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