

CATTEN-0100 10dB Attenuator SMA 50 Ohm DC to 3GHz





Temperature Range: -40°C to +85°C
Rated Power: 1 Watt Max
Freq Range. DC - 3GHz
VSWR: 1:1.3 Max
Impedance: 50 Ohms
Attenuation Tolerance: ±0.5 dB Typical



The Attenuator offers end users a rugged SMA attenuator housing for easy connection. The CATTEN-0100 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 3GHz.



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Part Number	Attenuation	Power (Max)
CATTEN-01R0	1 dB	1 Watt
CATTEN-01R5	1.5 dB	1 Watt
CATTEN-02R0	2 dB	1 Watt
CATTEN-03R0	3 dB	1 Watt
CATTEN-04R0	4 dB	1 Watt
CATTEN-05R0	5 dB	1 Watt
CATTEN-06R0	6 dB	1 Watt
CATTEN-07R0	7dB	1 Watt
CATTEN-08R0	8dB	1 Watt
CATTEN-09R0	9dB	1 Watt
CATTEN-0100	10 dB	1 Watt
CATTEN-0150	15 dB	0.5 Watt
CATTEN-0200	20 dB	0.5 Watt

CALIEN-0100	10 UD	1 Watt	
CATTEN-0150	15 dB	0.5 Watt	
CATTEN-0200	20 dB	0.5 Watt	
 	1.312 (33.34) 0.612		
SMA Male	(15.54)	0.435 (11.05) SMA Female	

10 dB Data		Return Loss		
Freq. (MHz)	Atten (dB)	Male (dB)	Female (dB)	
0.3	10.03	59	53	
0.5	10.04	59	53	
0.8	10.04	58	53	
1.0	10.04	58	53	
5.0	10.04	58	53	
10.0	10.06	58	53	
20.0	10.06	57	52	
50.0	10.05	52	50	
100.0	10.04	47	46	
200.0	10.07	42	41	
300.0	10.07	39	38	
400.0	10.09	37	35	
500.0	10.04	36	34	
600.0	10.06	35	32	
700.0	10.09	34	31	
800.0	10.06	33	30	
900.0	10.16	32	29	
1000.0	10.08	31	28	
1500.0	10.05	27	25	
2000.0	10.16	24	22	
2500.0	10.19	22	20	
3000.0	10.51	20	19	

RoHS
Compliant

TEST	Condition of Test	Test Results	
一种	500 H	0.5dB to 5dB	6dB to 20dB
Endurance Test at 70°C per EIA 575-3.14	1000 hours 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

