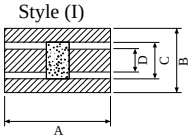
Microwave Components

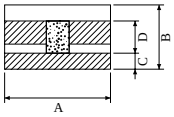
Attenuators

■ Chip Type

Style (I)



Style (II)

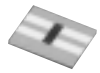



CAT


CATC


CATG

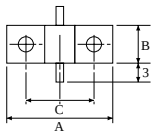

CATS

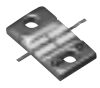

CATL

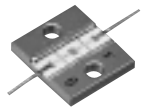
Type	Attenuation (dB)	Tolerance (dB)	Frequency (GHz)	Power Rating (W)	Dimensions(mm)				
					Style	A	B	C	b
CAT	1～10,20	±0.1	DC～10	0.2	(I)	8	6	4	2
CATC	1～10,20	±0.1	DC～2	0.2	(II)	8	5.3	1.2	3
CATG	1～10,20	±0.1	DC～18	0.2	(I)	5	4	2	1
CATS	1～10,20	±0.1	DC～2	0.2	(II)	3.8	3	1	1.2
CATL	1～10,20	±0.1	DC～5	0.2	(I)	8	6	3.2	0.65

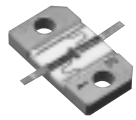
Applications; I/O level adjustment, Impedance adjustment

■ Plate Type




AP-A


AP-Q


AP-U

Type	Attenuation (dB)	SWR	Frequency (GHz)	Power Rating (W)	Dimensions(mm)			
					A	B	C	H
AP-A	3,6,10,20	1.20	DC～5	2	14.1	8.1	10	1.5
AP-Q	3,6,10,20	1.20	DC～3	6	16.3	14.3	11.3	2.0
AP-	3,6,10,20	1.35	DC～6	10	Under development			
AP-	3,6,10,20	1.35	DC～6	20				
AP-	3,6,10,20	1.35	DC～6	50				
AP-U	1～10,20	1.35	DC～4	75	21.0	11.6	15.0	3.0

H : Lead height Characteristic impedance; 50Ω
Applications; I/O level adjustment, Impedance adjustment

Thin Film Hybrid Integrated Circuits

Style	Item	Spec.
    	Substrates	99.5% Al_2O_3 t=0.25, 0.38, 0.635mm
	Resistive Film	Ta_2N, with resistivity of 25, 50, 100 ohm/□
	Electrodes	NiCr-Au, Au thickness 1～5 μm
	Min.(Line/Gap)	30 μm/25 μm Custom designed pattern
	Features	Bonding type, through hole available

Applications; Recciver circuit for broadcasting, communication and radar.