

Precision Chip Configuration Guide

R P 0805 CB - 1001 J N - 91

Device Type

A - Attenuator
N - Network
R - Resistor
T - Termination
X - Special

Conductor Information

K - 1/4 -Wrap
M - Back Metallization
P - Wrap Around
S - Flip Chip
T - 3-Sided Wrap
V - 1/2 -Wrap
X - Special

Other configurations available, such as castellations. Part number will be assigned by the factory.

Size (see next page)

0805 = 0.080" x .050"

Value in Ohms

1.0	1R00
1.1	1R10
10	10R0
100	1000
1,000	1001
10,000	1002
1,000,000 (1 Meg. Ohm)	1004
100,000,000 (1 Gig. Ohm)	1007

Value in Decibels

1	0100
2.5	0250
12	1200
18.5	1850

Tolerance Resistance

F - 1%
G - 2%
J - 5%
K - 10%
L - 20%
X - Special

Inspection

C - Customer Print
N - Normal
T - Special

Substrate*

90	.010" Alumina **
91	.015" Alumina
93	.025" Alumina
94	.040" Alumina
95	.010" BeO **
96	.015" BeO
98	.025" BeO
99	.040" BeO
9F	.060" BeO
9X	Special
83	.025" BeO Free™
84	.040" BeO Free™
2P	.010" AlN **
2Q	.015" AlN
2S	.025" AlN
2T	.040" AlN

* All resistive elements are passivated.

** Only RS, RM, AS and AM packages available on 10 mil material.

Resistor values range from .1 Ohm to 1 Gigohms. Attenuator values range from 0.25dB to 32 dB. All chips are available in standard 96% Alumina or in BeO, BeO Free™ or AlN to handle your high power requirements. Detailed drawings are available for each chip style. Please contact us for any of your special needs, chip power ratings and frequency ranges via

sales@barryind.com

Termination Material/Finish

RoHS BeO Alumina ALN Solder Epoxy Wirebond

BA - Palladium Silver	Yes	No	Yes	Yes	No	Yes	No
CB - Tin Lead over Nickel over Silver	No	Yes	Yes	No	Yes	No	No
CT - Matte Tin over Nickel over Silver	Yes	Yes	Yes	Yes	Yes	No	No
EA* - Gold I/O with Palladium Silver Ground	Yes	No	Yes	Yes	Yes (GND)	Yes	Yes (I/O)
FA* - Gold I/O with Platinum Gold Ground	Yes	No	Yes	Yes	Yes (GND)	Yes	Yes (I/O)
GA - Gold	Yes	No	Yes	Yes	No	Yes	Yes
HA* - Gold over Platinum Gold I/O with Plat. Gold Ground	Yes	Yes	No	No	Yes (GND)	Yes	Yes (I/O)
JA - Gold over Platinum Gold	Yes	Yes	No	No	No	Yes	Yes



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Precision Chip Devices (Standard Packages)

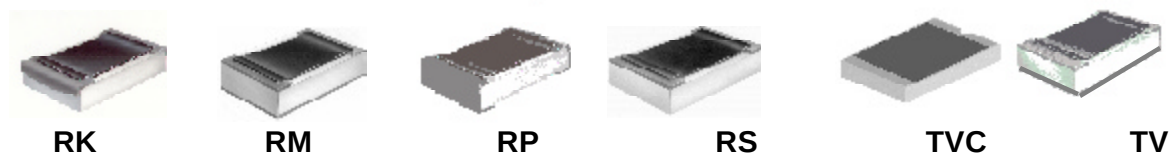
Size	AK	AP	AS	AT	AV	AM	RK	RP	RS	RM	TV	TVC
0202									*	*		*
0302							*	*	*	*		
0402							*	*	*	*		*
0405	*	*		*	*							
0502							*	*	*	*		*
0503							*	*	*	*		
0504							*	*				
0505							*	*	*	*		*
0603							*	*	*	*		
0605								*	*			*
0706		*	*	*	*	*						
0802									*	*		
0805							*	*	*	*		*
0904			*	*	*	*						
1005		*	*		*	*	*	*	*	*		*
1010							*	*	*	*		
1206							*	*	*	*		*
1505							*		*	*		
1612		*	*		*	*						
1812												*
1835												*
1907												*
2010							*	*	*	*		*
2335					*				*	*		*
2510										*		*
2512							*	*	*	*		
2525				*	*				*	*		*
3725									*	*		*
3737									*	*		*

Tape & Reel option available on size 0402 through 2525.

Only RS, RM, AS, and AM packages available in 10 mil substrate material.

Attenuators - Resistors

Terminations



* Microwave Attenuators (PI Pad)



* Microwave Attenuators (T Pad)



* PI-pad only available in size 0904. T-pad only available in sizes 0405, 0706, 1005 and 1612.



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