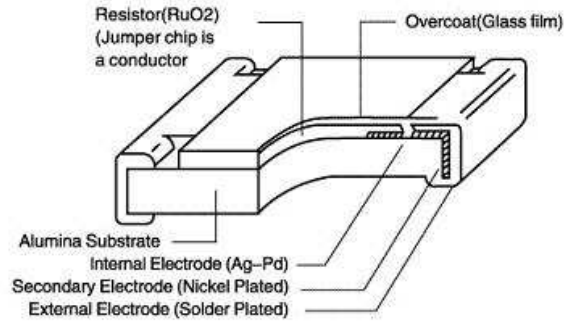
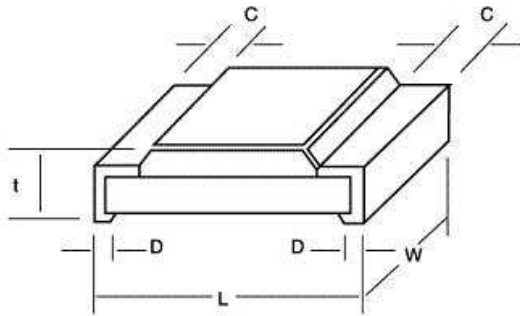


RC 厚膜晶片電阻器 THICK FILM CHIP RESISTOR

DIMENSION



SPECIFICATIONS

TAD 型名 TYPE	INCH	MM	額定電力 POWER RATING	最高使用電壓 MAXIMUM WORKING VOLTAGE	最高過負荷電壓 MAXIMUM OVERLOAD VOLTAGE	DIMENSIONS(mm)					阻值範圍 RESISTANCE RANGE	使用溫度範圍 OPERATING TEMP. RANGE	標準包裝數量 PIECES A REEL	
						L	W	C	D	t				
RC32	0402	1005	1/16W 0.063w	25V	50V	1.0±0.05	0.5±0.05	0.2±0.1	0.25 ^{+0.05} _{-0.1}	0.36±0.05	JF 10Ω-22MΩ	-55℃ 125℃	10,000	
RC06	0603	1608	1/10W 0.1w	50V	100V	1.6±0.1	0.85±0.1	0.3±0.2	0.2 ^{+0.2} _{-0.1}	0.45±0.05	J 1.0Ω-10MΩ		5,000	
RC10	0805	2012	1/10W 0.1w 1/8W 0.125w	150V 100V	300V 200V	2.05±0.1	1.3±0.1	0.4±0.2	0.3 ^{+0.2} _{-0.1}	0.45 ^{+0.1} _{-0.05}			G 1.0Ω-10MΩ	5,000
RC18	1206	3216	1/4W 0.25w	200V	400V	3.1±0.1	1.6±0.1	0.45±0.25	0.4 ^{+0.2} _{-0.1}	0.55 ^{+0.1} _{-0.05}	F 1.0Ω-22MΩ			5,000
RC14	1210	3225	1/4W 0.25w	200V	400V	3.2±0.2	2.6±0.2	0.5±0.2	0.5±0.3	0.6±0.1				5,000
RC12	2010	5025	1/2W 0.5w	200V	400V	5.0±0.2	2.5±0.2	0.6±0.2	0.6±0.2	0.6±0.1				4,000
RC1W	2512	6332	1w	200V	400V	6.4±0.2	3.2±0.2	0.7±0.2	0.7±0.2	0.6±0.1				4,000

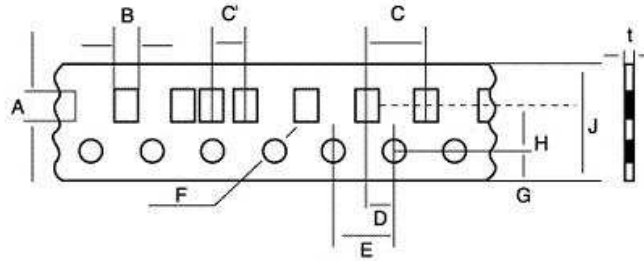
ELECTRICAL PERFORMANCE

Test Items	Test Method	Spec.
Temperature Cycling	MIL-STD-202F Method 107 Cycle between -55℃ and +125℃ for 5 cycles	±(1.0%+0.05Ω)
Low Temperature Operation	MIL-R-55342D, Para 4.7.4 one Hr at -55℃ followed by 45 minutes of RCWV	±(1.0%+0.05Ω)
Short Time Overload	MIL-R-55342D, Para 4.7.5 Apply rated voltage 2.5 times for 5 secs	±(2.0%+0.10Ω)
Resistance to Soldering Heat	MIL-R-55342D, Para 4.7.7 260℃ for 10 secs	±(1.0%+0.05Ω)
Loading Life in Moisture	MIL-STD-202F Method 106E 40℃, 1000 Hrs at RCWV, 1.5Hr On; 0.5Hr Off.	±(3.0%+0.10Ω)
High Temperature Exposure	MIL-R-55342D, Para 4.7.6 1000 Hrs at 125℃	±(2.0%+0.10Ω)
Load Life	MIL-STD-202F Method 108A 70℃, 1000 Hrs at RCWV, 1.5Hr On; 0.5Hr Off.	±(3.0%+0.10Ω)
Solder Heat Resistance	MIL-STD-202F Method 208 Immerse in solder for 5 secs at 230℃	Coverage ≥ 95%
Bending Strength	5mm deflection in either direction for 10 secs	±(1.0%+0.05Ω)

*RCWV: Rated Continuous Working Voltage

RC 厚膜晶片電阻器 THICK FILM CHIP RESISTOR

TAPING

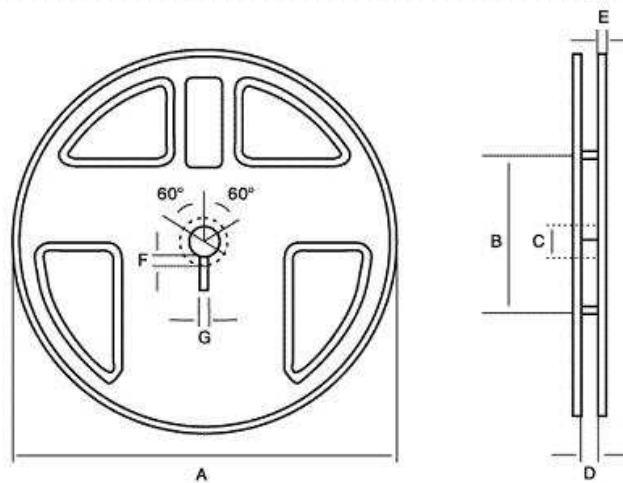


Accumulated dimensional tolerance $40 \pm 0.2\text{mm}$

C'=RC32

Unit: mm

	A	B	C	D	E	F	G	H	J	t
RC32 0402	1.13 ± 0.05	0.63 ± 0.05	2.0 ± 0.05	1.0 ± 0.05	2.0 ± 0.05	$1.5 \begin{smallmatrix} +0.1 \\ -0 \end{smallmatrix}$	1.75 ± 0.1	3.5 ± 0.05	8.0 ± 0.3	0.55 ± 0.1
RC06 0603	1.9 ± 0.2	1.1 ± 0.2	4.0 ± 0.1	2.0 ± 0.05	4.0 ± 0.1	$1.5 \begin{smallmatrix} +0.1 \\ -0 \end{smallmatrix}$	1.75 ± 0.1	3.5 ± 0.05	8.0 ± 0.3	0.7 ± 0.1
RC10 0805	2.4 ± 0.2	1.65 ± 0.2	4.0 ± 0.1	2.0 ± 0.05	4.0 ± 0.1	$1.5 \begin{smallmatrix} +0.1 \\ -0 \end{smallmatrix}$	1.75 ± 0.1	3.5 ± 0.05	8.0 ± 0.3	0.9 ± 0.1
RC18 1206	$3.6 \begin{smallmatrix} +0.1 \\ -0.15 \end{smallmatrix}$	$2.0 \begin{smallmatrix} +0.1 \\ -0.15 \end{smallmatrix}$	4.0 ± 0.1	2.0 ± 0.05	4.0 ± 0.1	$1.5 \begin{smallmatrix} +0.1 \\ -0 \end{smallmatrix}$	1.75 ± 0.1	3.5 ± 0.05	8.0 ± 0.3	0.9 ± 0.1
RC14 1210	3.5 ± 0.1	2.9 ± 0.1	4.0 ± 0.1	2.0 ± 0.05	4.0 ± 0.1	$1.5 \begin{smallmatrix} +0.1 \\ -0 \end{smallmatrix}$	1.75 ± 0.1	3.5 ± 0.05	8.0 ± 0.3	0.9 ± 0.1
RC12 2010	5.3 ± 0.1	2.9 ± 0.1	4.0 ± 0.1	2.0 ± 0.05	4.0 ± 0.1	$1.5 \begin{smallmatrix} +0.1 \\ -0 \end{smallmatrix}$	1.75 ± 0.1	5.5 ± 0.05	12 ± 0.2	1.0 ± 0.1
RC1W 2512	5.6 ± 0.1	3.4 ± 0.1	4.0 ± 0.1	2.0 ± 0.05	4.0 ± 0.1	$1.5 \begin{smallmatrix} +0.1 \\ -0 \end{smallmatrix}$	1.75 ± 0.1	5.5 ± 0.05	12 ± 0.2	1.0 ± 0.1



Unit: mm

TYPE	A	B	C	D	E	F	G
RC1W	$180 \begin{smallmatrix} +0 \\ -3 \end{smallmatrix}$	$60 \begin{smallmatrix} +1 \\ -3 \end{smallmatrix}$	13 ± 0.5	13.5 ± 0.3	1.2 ± 0.3	4.0 ± 0.5	2.0 ± 0.2
RC12							
RC14							
RC18							
RC10	178 ± 2	80 ± 0.2	13 ± 0.5	10 ± 0.1	1.5 ± 0.3	4.0 ± 0.5	2.5 ± 0.5
RC06							
RC32							