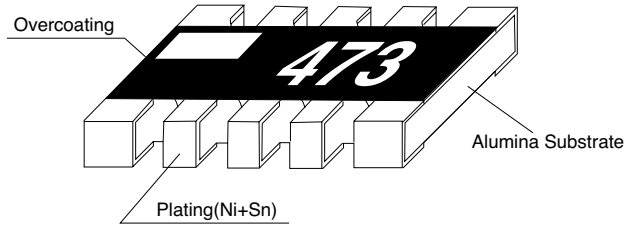
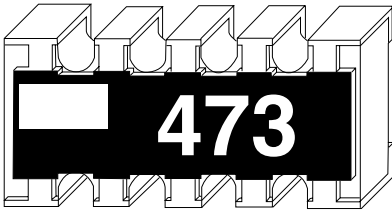


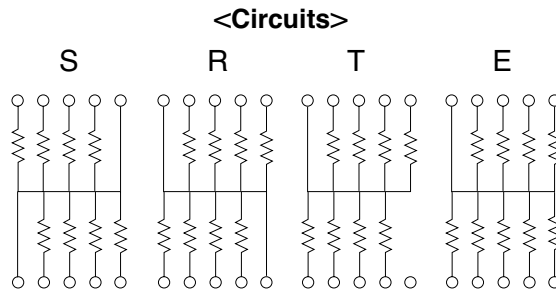
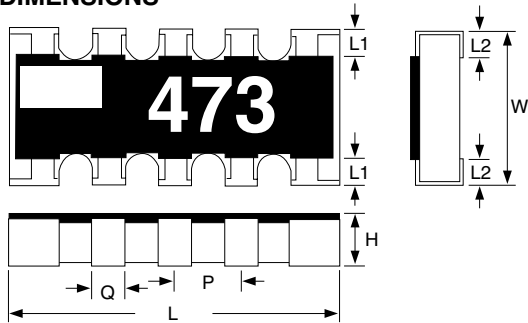
# THICK FILM CHIP RESISTORS NETWORK

• RTN02-10T

## ■ CONSTRUCTION



## ■ DIMENSIONS



Unit: mm

Type	Dimensions	L	W	H	L1	L2	P	Q
RTN02-10T		3.20 ± 0.20	1.60 ± 0.15	0.55 ± 0.10	0.30 ± 0.15	0.30 ± 0.15	0.64 ± 0.10	0.32 ± 0.10

## ■ Standard electrical specifications

Type	Rated Power at 70°C	Max. Working Voltage	Max. Overload Voltage	T.C.R. (ppm/°C)	Resistance	Number of Terminals	Number of Resistors	Operating Temperature Range
					J(± 5%) E-12			
RTN02-10T	$\frac{1}{16}$ W	25V	50V	± 20	33Ω~1MΩ	10	8	-55°C ~ +125°C

## ■ EXPLANATION OF PART NUMBERS

(EX)

RTN	02	—	10	T	103	J	TP
Type	Size		Number of Circuits	Circuit Structure	Nominal Resistance	Resistance Tolerance	Packing
Chip Resistors Networks	02		10	(see above)	• 3-Digit: E12 Series Ex 10Ω=100 1KΩ=102	J = ± 5%	TP: Taping(Paper)
T : Sn(Ti) Process							

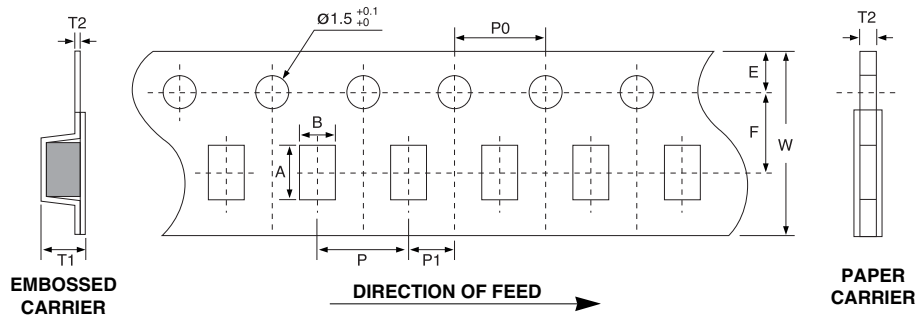
•RTN02-10T

■ CHARACTERISTICS

Item	5%	Test Method
Temperature Cycling	$\pm (1.0\% + 0.05\Omega)$	JIS-C5202-7.4 Cycle between -55°C and +125°C for 5 cycles
Low Temperature Operation	$\pm (1.0\% + 0.05\Omega)$	MIL-R-55342-D 4.7.4 Followed by 45 Minutes of RCWV.
Short Time Overload	$\pm (2.0\% + 0.10\Omega)$	JIS-C5202-5.5 Apply rated voltage 2.5 times for 5 seconds
Resistance to Soldering Heat	$\pm (1.0\% + 0.10\Omega)$	JIS-C5202-6.10 Immerse for 10 sec. in solder at $260 \pm 3^\circ\text{C}$
Loading Life in Moisture	$\pm (2.0\% + 0.10\Omega)$	JIS-C5202-7.9 40°C, 1000Hrs at RCWV, 1.5Hr ON, 0.5Hr OFF
Resistance to dry heat	$\pm (2.0\% + 0.10\Omega)$	JIS-C5202-7.2 96Hrs at 125°C
Load Life	$\pm (3.0\% + 0.10\Omega)$	JIS-C5202-7.10 70°C, 1000Hrs at RCWV, 1.5Hr ON, 0.5Hr OFF
Solderability	Coverage $\geq 95\%$	JIS-C5202-6.11 Immerse for 3 sec. in solder at $245 \pm 3^\circ\text{C}$
Dielectric Withstanding Voltage	No short or burned on the appearance	JIS-C5202-5.7 Apply 300VAC for 1min

\*RCWV=Rated Continuous Working Voltage

■ TAPING SPECIFICATIONS  
Carrier Tape



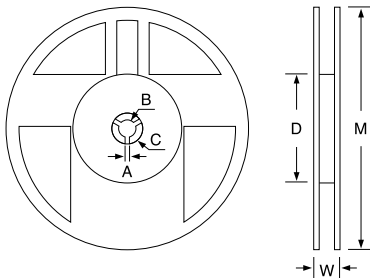
■ PACKAGING: TP

Unit: mm

Type	A	B	W	E	F	P0	P	P1	T1	T2
RTN02-10T	$3.5 \pm 0.2$	$1.9 \pm 0.2$	$8.0 \pm 0.2$	$1.75 \pm 0.1$	$3.5 \pm 0.1$	$4.0 \pm 0.1$	$4.0 \pm 0.1$	$2.0 \pm 0.1$	-	$0.75 \pm 0.10$

■ REEL SPECIFICATION

Unit: mm



Type	W	M	A	B	C	D
RTN02-10T	$12.5 \pm 1.5$	$178 \pm 2.0$	$2.0 \pm 0.5$	$13.5 \pm 0.5$	$21.0 \pm 0.5$	$60.0 \pm 2.0$

■ BULK CASE

Unit: pcs

Type	TP	TE
RTN02-10T	5,000	-