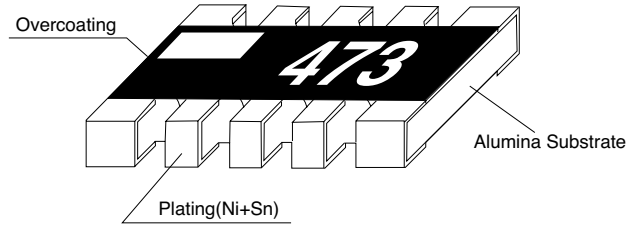
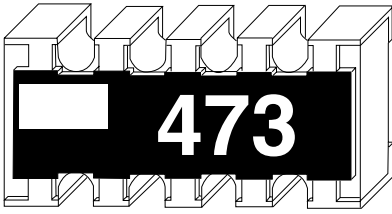


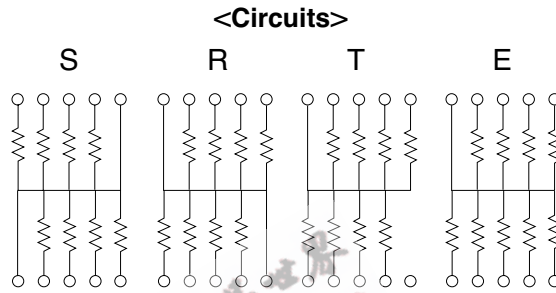
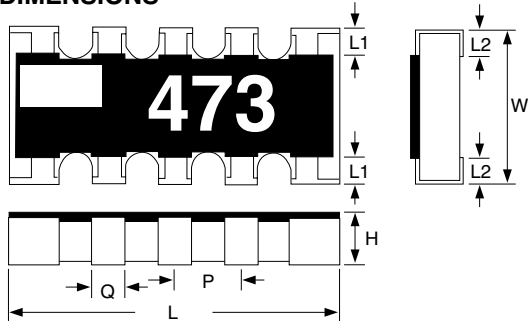
THICK FILM CHIP RESISTORS NETWORK

• 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 | | | | | | | |

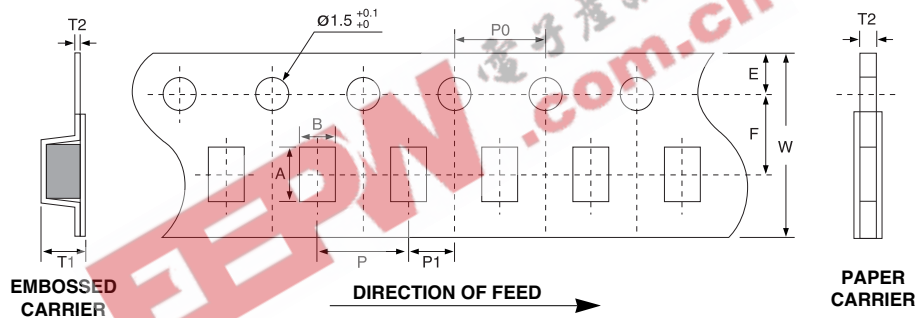
•RTN02-10T

■ 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



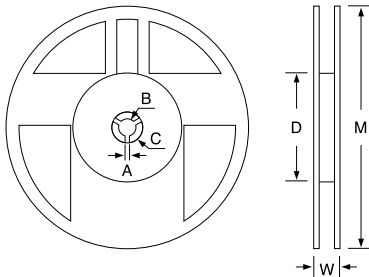
■ PACKAGING: TP

Unit: mm

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

■ REEL SPECIFICATION

Unit: mm



| Type | W | M | A | B | C | D |
|-----------|----------------|---------------|---------------|----------------|----------------|----------------|
| RTN02-10T | 12.5 ± 1.5 | 178 ± 2.0 | 2.0 ± 0.5 | 13.5 ± 0.5 | 21.0 ± 0.5 | 60.0 ± 2.0 |

■ BULK CASE

Unit: pcs

| Type | TP | TE |
|-----------|-------|----|
| RTN02-10T | 5,000 | - |