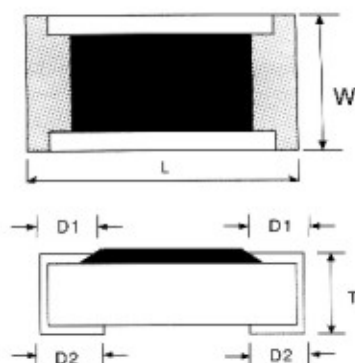


Dimensions

Unit: mm

Codes	L	W	T	D1	D2
PR02	1.00±0.05	0.50±0.05	0.30±0.05	0.20±0.10	0.20±0.10
PR03	1.55±0.10	0.80±0.10	0.45±0.10	0.30±0.20	0.30±0.20
PR05	2.00±0.15	1.25±0.15	0.55±0.10	0.30±0.20	0.40±0.25
PR06	3.05±0.15	1.55±0.15	0.55±0.10	0.42±0.20	0.35±0.25
PR10	4.90±0.15	2.40±0.15	0.55±0.10	0.60±0.30	0.50±0.25
PR12	6.30±0.15	3.10±0.15	0.55±0.10	0.60±0.30	0.50±0.25

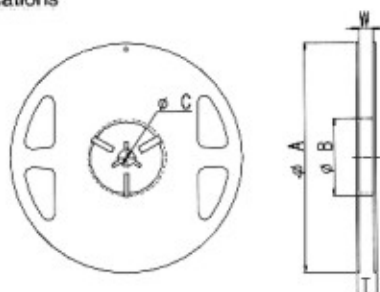


Standard Electrical Specifications

Item Type	Power Rating at 70°C	Operating Temp. Range	Max Operating Voltage	Max Overloading Voltage	Resistance Tolerance	Resistance Range	TCR (PPM/°C)
PR02 (0402)	1/16W	-55 ~ +155°C	25V	50V	±0.10% ±0.25% ±0.50%	25Ω-25KΩ	±25 ±50
PR03 (0603)	1/16W	-55 ~ +155°C	50V	100V	±0.10% ±0.25% ±0.50%	25Ω-332KΩ	±25 ±50
PR05 (0805)	1/10W	-55 ~ +155°C	100V	200V	±0.10% ±0.25% ±0.50%	10Ω-800KΩ	±25 ±50
PR06 (1206)	1/8W	-55 ~ +155°C	150V	300V	±0.10% ±0.25% ±0.50%	10Ω-1MΩ	±25 ±50
PR10(2010)	1/4W	-55 ~ +155°C	150V	300V	±0.10% ±0.25% ±0.50%	10Ω-1MΩ	±25 ±50
PR12 (2512)	1/2W	-55 ~ +155°C	150V	300V	±0.10% ±0.25% ±0.50%	10Ω-1MΩ	±25 ±50

Packaging

Packaging Quantity & Reel Specifications



Unit: mm

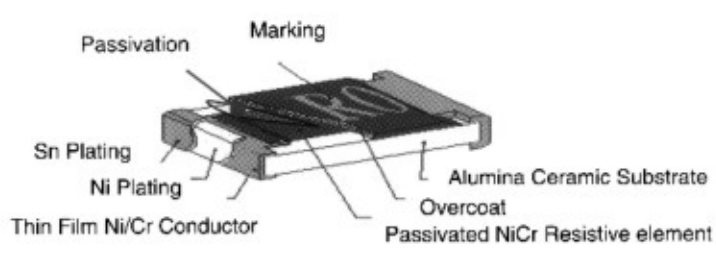
Codes	ΦA	ΦB	ΦC	W	T	Paper Tape (EA)	Emboss Plastic Tape (EA)
PR02	178±1	60.0±0.5	13.0±0.20	9.00±0.50	12.0±0.15	10,000	-
PR03	178±1	60.0±0.5	13.0±0.20	9.00±0.50	12.0±0.15	5,000	-
PR05	178±1	60.0±0.5	13.0±0.20	9.00±0.50	12.0±0.15	5,000	-
PR06	178±1	60.0±0.5	13.0±0.20	9.00±0.50	12.0±0.15	5,000	-
PR10	178±1	60.2±0.5	13.0±1.00	13.2±1.50	16.0±0.20	-	4,000
PR12	178±1	60.2±0.5	13.0±0.50	13.2±1.50	16.0±0.20	-	4,000



Features

- Viking New Passivated NiCr Film appered stable performance at Moisture receptivity, Guarantee long term life stability and demonstrated the Anti -Corrosion claims Characterized by Tantalum
- Special Passivated NiCr Film for Anti-Acid and Anti-Damp
- Very Tight Tolerance from $\pm 0.1\%$
- Extremely Low TCR from ± 25 PPM/ $^{\circ}\text{C}$
- Wide R-Value Range

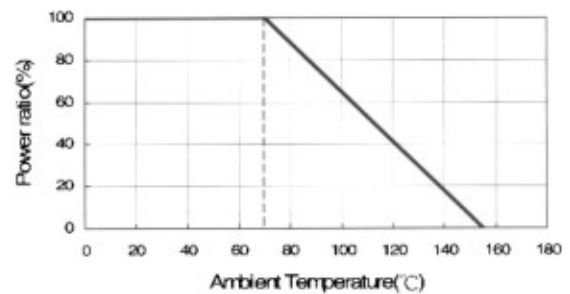
Construction



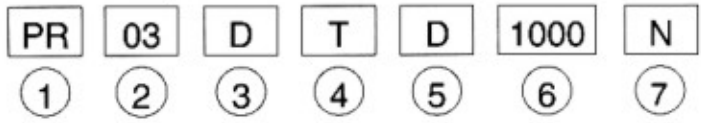
Applications

- Automotive
- High-end Computer
- Industrial Equipment
- Automatic Equipment Controller
- Medical Equipment
- Telecommunication Device
- High-end Multimedia Electronics

Derating Curve



Part Numbering



① Product Type

Product Type	
PR	Anti-Corrosive Thin film Precision Chip Resistor

② Dimensions (LxW)

Codes	Dimensions (LxW)	EIA
PR02	1.00x0.50mm	0402
PR03	1.60x0.80mm	0603
PR05	2.00x1.25mm	0805
PR06	3.00x1.50mm	1206
PR10	4.90x2.40mm	2010
PR12	6.30x3.10mm	2512

③ Resistance Tolerance

Codes	Resistance Tolerance
B	$\pm 0.10\%$
C	$\pm 0.25\%$
D	$\pm 0.50\%$

④ Packaging

Codes	Type
T	Taping Reel
B	Bulk

⑤ TCR

Codes	Type
C	± 25 PPM/ $^{\circ}\text{C}$
D	± 50 PPM/ $^{\circ}\text{C}$

⑥ Resistance

Codes	Type
1000	100 Ω
2201	2200 Ω
1002	10000 Ω
4992	49900 Ω
1003	100000 Ω

⑦ Marking

Codes	Type
N	Standard Marking for E96 / E24
	No Marking