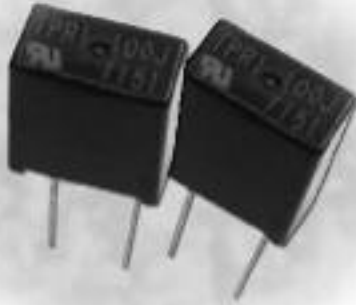
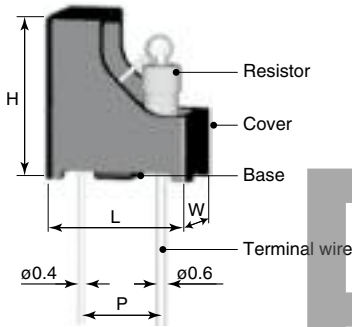


features

- Quickly fuses to the overload
- Circuit is completely isolated after fusing
- Lightning surge test (IEC61000-4-5) effective
- Can be used in high temperature environment



dimensions and construction



Type	Dimensions inches (mm)			
	L	W	H	P
TPR1	.354±.004 (9.0±0.1)	.197±.004 (5.0±0.1)	.394±.004 (10.0±0.1)	.197±.02 (5.0±0.5)

EOL

ordering information

New Part #	TPR	1	C	T	A	100	J
	Type	Power Rating	Terminal Surface Material	Taping	Packaging	Nominal Resistance	Resistance Tolerance
		1: 1W	C: Sn-Cu	T: Taping Blank: Bulk	A: AMMO Blank: Bulk Contact factory for taping specifications	2 significant figures + 1 multiplier "R" indicates decimal on values <10Ω	J: ±5%

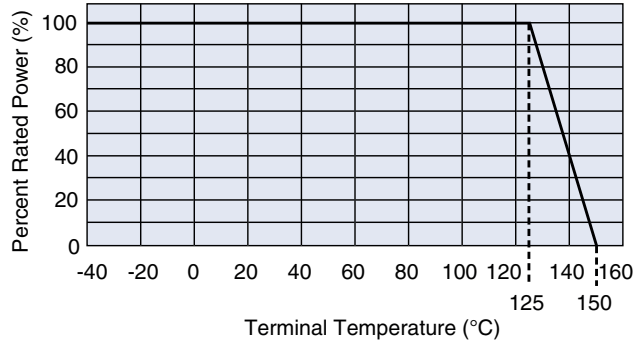
applications and ratings

Part Designation	Power Rating	Resistance Range	T.C.R. (x 10 ⁻⁶ /K)	Terminal Temperature Under Rated Load	Operating Temperature Range	Maximum Open-Circuit Voltage	Lightning Surge Test*	Maximum Working Voltage	Maximum Overload Voltage
		J: ±5% E24							
TPR1	1W	2Ω ~ 10kΩ	~51Ω: 200 56Ω~: 350	+125°C and less	-40°C ~ +150°C	320V a.c.	1.5kV	E=√(PxR)	E=√(PxRx2)

* Lightning surge test at 10Ω

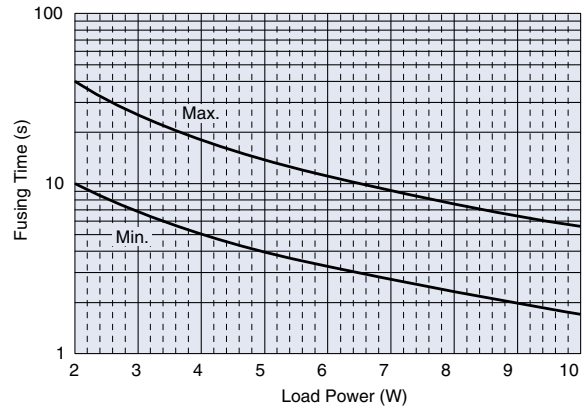
environmental applications

Derating Curve

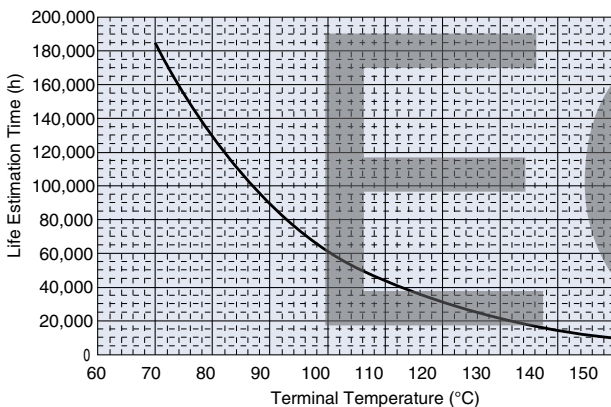


For resistors operated at a terminal temperature of 125°C or above, a power rating shall be derated in accordance with the above derating curve.

Fusing Characteristics



Life Estimation Curve




Performance Characteristics

Parameter	Requirement		Test Method
	Limit	Typical	
Resistance	Within specified tolerance	—	25°C
T.C.R.	Within specified T.C.R.	—	+25°C/-40°C and +25°C/+125°C
Fusing Characteristics	Within 6 seconds	—	Rated power x 10
Rapid Change of Temperature	±(5%+0.05Ω)	2%	-40°C/0.5 hr, +125°C/0.5 hr, 1000 cycles
Overload (Short Time)	±(5%+0.05Ω)	2%	Rated power x 2 for 5 seconds
Resistance to Soldering Heat	±(1%+0.05Ω)	0.3%	260°C ± 5°C, 10 ± 1 second
Endurance at 125°C and Less of Terminal Temperature	±(5%+0.05Ω)	3%	Terminal temperature: 125°C, 1.5 hr ON, 0.5 hr OFF cycle, 1000 hours

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Wirewound Resistors - Through Hole category:](#)

Click to view products by [KOA Speer manufacturer:](#)

Other Similar products are found below :

[75822-2K4](#) [90J56R](#) [PW10-39R-5%](#) [ALSR1-20](#) [EP3WS47RJ](#) [RWR81S12R4FRB12](#) [RWR81SR511FRB12](#) [RWR81SR619FRBSL](#)
[RWR89S10R0FRB12](#) [RWR89S9310FPB12](#) [27J1K0](#) [93J62RE](#) [AC10000002208JAB00](#) [1HJ-25](#) [FSQ5WR47J](#) [FW10A33R0JA](#) [25J39K](#)
[25J5R0-B](#) [25W1D0](#) [272-303-JBW](#) [280-PRM5-150-RC](#) [CP0005270R0JE1491](#) [CPCC0510R00JE32](#) [CPCC051R000JB31](#) [CPW052K500JE143](#)
[CPW05700R0JE143](#) [C1010RJL](#) [CA000210R00JE14](#) [VPR5F1500](#) [RS02B887R0FE73](#) [RWR74SR604FRB12](#) [RWR84S1001FRB12](#)
[RWR84S20R0FSBSL](#) [RWR89S6190FSB12](#) [CPW055R000JB143](#) [ULW5-39R0JT075](#) [VP25K-120](#) [VC3D900](#) [ULW5-68RJT075](#) [65888-3R3](#)
[RWR80N3400FSB12](#) [RWR81S1000FRB12](#) [RWR89N30R1FRB12](#) [RWR81S4R99FPB12](#) [RWR74S4R02FRRSL](#) [WW1JT33R0](#) [VC3D.5](#)
[FW70A1000JA](#) [AC05000005608JAC00](#) [WA8505-47RJI](#)