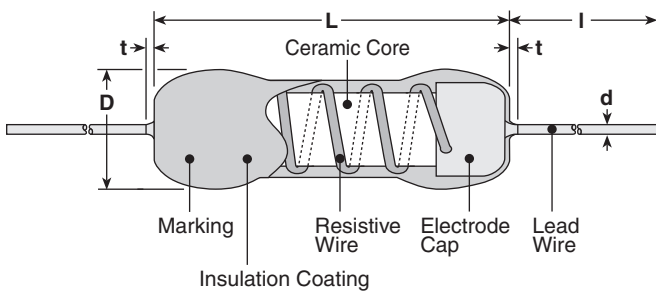


features

- Resistors meeting MIL-PRF-26 (U characteristics)
- High precision resistors with T.C.R. less than $\pm 50 \times 10^{-6}/K$
- Flame retardant coating (Equivalent to UL94 V-0)
- Automatic insertion is applicable
- Various types of formings are available
- Excellent in pulse characteristic
- Marking: Black body color
Precision: Alpha-numeric marking
- Products with lead-free terminations meet EU RoHS and China RoHS requirements

dimensions and construction



Type	Dimensions inches (mm)				
	L	t (max.)	D	d (nom.)	I
CW1H	.374±.039 (9.5±1.0)		.138±.039 (3.5±1.0)		
CW2H	.472±.039 (12.0±1.0)	.118 (3.0)	.157±.039 (4.0±1.0)	.031 (0.8)	1.18±.118 (30.0±3.0)
CW3H	.591±.039 (15.0±1.0)		.236±.039 (6.0±1.0)		

ordering information

New Part #	CW	3	H	C	T521	A	10R0	F
Type		Power Rating	Style	Termination Material	Taping and Forming	Packaging	Nominal Resistance	Tolerance
		1: 1W 2: 2W 3: 3W	H: Stability	C: SnCu	Axial: T52, T521, T631 Radial: VTP, GT L forming: L12.5A, L15A, L20A, L25A	A: Ammo R: Reel	3 significant figures + 1 multiplier "R" indicates decimal on values <100Ω	D: ±0.5% F: ±1%

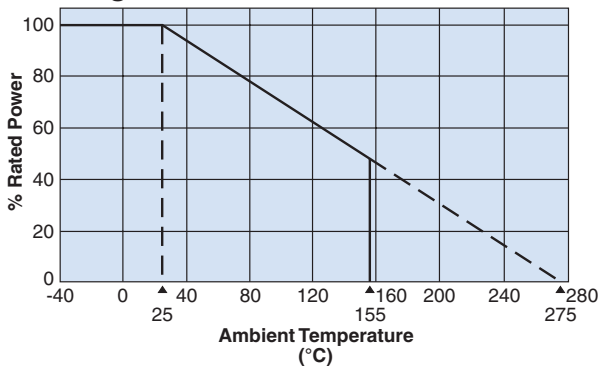
For further information on packaging, please refer to Appendix C.

applications and ratings

Part Designation	Power Rating	T.C.R. (ppm/°C) Max.	Resistance Range (Ω)		Rated Ambient Temperature	Operating Temperature Range
			E-24, E-96 (D±0.5%)	E-24, E-96 (F±1%)		
CW1PC	1W	±20: R≥10Ω ±50: R<10Ω	0.47 - 220	0.1 - 430	+25°C	-55°C to +275°C
CW2PC	2W		0.47 - 750	0.1 - 2k		
CW3PC	3W		0.47 - 1k	0.1 - 3k		

environmental applications

Derating Curve



Performance Characteristics

Parameter	Requirement $\Delta R \pm(\% + 0.05\Omega)$		Test Method
	Limit	Typical	
Resistance	Within specified tolerance	—	25°C
T.C.R.	Within specified T.C.R.	—	+25°C/-55°C and +25°C/+125°C
Overload (Short Time)	±0.2	±0.15	Power rating x 5 for 5 seconds
Resistance to Solder Heat	±0.2	±0.15	350°C ± 10°C for 3.5 seconds or 260°C ± 5°C for 10 seconds
Endurance @ 70°C	±0.5	±0.45	25°C, 2000 hours 1.5 hr ON, 0.5 hr OFF cycle
Low Temperature	±0.2	±0.15	-65°C, 24 hours
High Temperature	±0.5	±0.45	+275°C, 250 hours