Carbon Film Resistors

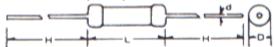
Introduction:

It is the earliest and still popular type of resistors, filming under high vacuum and high temperature splitting & oxidizing the pure carbonhydric onto the ceramic cores. Automation on cutting, capping, sorting and coating, it comes out in good quality &reliability. Billions of products are already in use worldwide in all types of applications – from process control instrumentation to telephone receivers and FM radio to color television.

Features:

- ♦ Industry's lowest cost
- ♦ Exceptional long-term stability
- ♦ Standard tolerances: +-5%, +-2%
- ♦ Variety of packaging: bulk, taped, tape and reel

Dimension (mm):



General Specifications:

	Dimension (mm)				Power	Maximum	Maximum	Resistance Range (Ω)	
Туре	L	D	н	D±0.05	Rating	Working Voltage	Overload Voltage	± 2% (G)	± 5% (J)
CR-1/8W	3.2±0.2	1.5±0.2	28±1	0.48	1/8W	200	400	10~470K	1~4.7M
CR-1/4W	5.7±0.5	2.3±0.3	28±1	0.58	1/4W	250	500	10~1M	1~22M
CR-1/2W	9.0±0.5	3.0±0.5	28±1	0.58	1/2W	350	700	10~1M	1~10M
CR-1W	11±1.0	4.0±0.5	35±3	0.70	1W	500	1000	10~1M	1~10M
CR-2W	15±1.0	5.0±0.5	35±3	0.80	2W	500	1000	10~1M	1~10M

Characteristic:

Test I	tems		Conditio	Spec.	
Short Time Over	load	2.5 times of r	ated voltage for	±1%	
Dielectric Withst	anding	Max Overload	d Voltage V Bloc	0.5%	
Insulation Resist	ance	DC500V V BI	LOCK 1 MINUTE	10,000ΜΩ	
Temp. Cycle		-55℃~+155℃	tor 5 cycles.	±1%	
Load Life		70℃ on-off c	cycles 1,000 hrs.	±5%	
Moisture-Proof L	.oad Life	40℃ 95% RI	H on-off cycles 5	±5%	
Solder Heat Res	istance	350℃ for 3.5	5 sec.	±0.5%	
Temp.	×	0~-450	0~-700	0~-1000	0~-1300
Coeff.	1/6W,1/8W	<47ΚΩ	51ΚΩ~100ΚΩ	110ΚΩ~330ΚΩ	360ΚΩ~1ΜΩ
(ppm/ ℃)	1/4W & over	<100ΚΩ	110ΚΩ~1ΜΩ	1.1MΩ~2.2MΩ	2.4ΜΩ~4.7ΜΩ