

Feature



- ◇ Quick dissipation of heating
- ◇ Low temperature rise
- ◇ Resistance tolerance : $\pm 5\%$ $\pm 2\%$ $\pm 1\%$
- ◇ Power rating : 1/16w, 1/8w, 1/6w, 1/4w, 1/2w, 1w, 2w, 3w
- ◇ Packaging: Bulk, taping in boxes, taping & reel...etc

Specifications

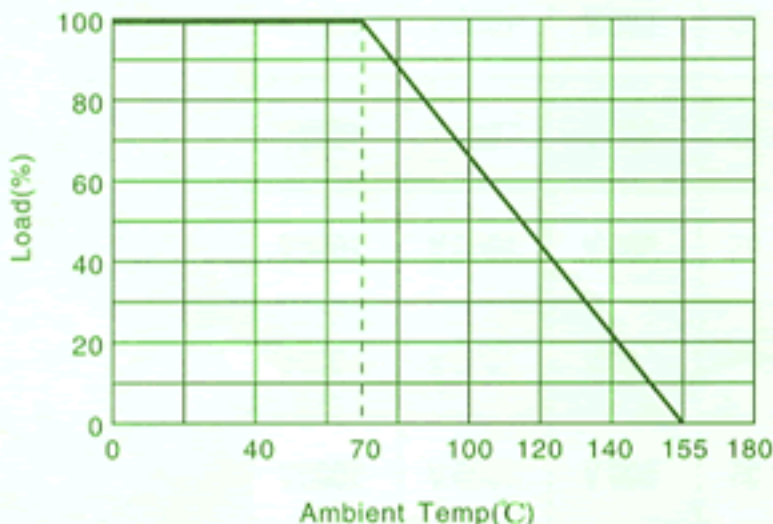
型號 Type	功率 Power rating 70°C	尺寸 Dimension(mm)				最高工作 電壓 Maximum operating voltage	最高過負荷 電壓 Maximum overload voltage	絕緣耐壓 Insulation Voltage	Resistance Range
		L	D	H	d				
CR-12	1/16 W 1/8 W 1/6 W	3.2±0.3	1.8±0.2	28±2	0.45±0.05	200 V	400 V	300V	Standard Range 0.5Ω-10MegΩ Special Range 0.1Ω-22MegΩ
CR-25S	1/4 W	3.2±0.3	1.8±0.2	28±2	0.45±0.05	250 V	500 V	300V	
CR-25	1/4 W	6.0±0.5	2.3±0.3	26±2	0.50±0.05	250 V	500 V	500V	
CR-50S	1/2 W	6.0±0.5	2.3±0.3	26±2	0.50±0.05	350 V	700 V	500V	
CR-50	1/2 W	9.5±0.5	3.2±0.5	26±2	0.58±0.05	350 V	700 V	700V	
CR-100S	1 W	9.5±0.5	3.2±0.5	26±3	0.58±0.05	500 V	1000 V	700V	
CR-100	1 W	11±1.0	4.5±0.5	33±3	0.80±0.05	500 V	1000 V	1000V	
CR-200S	2 W	11±1.0	4.5±0.5	33±3	0.80±0.05	500 V	1000 V	1000V	
CR-200	2 W	15±1.0	5.0±0.5	30±3	0.80±0.05	500 V	1000 V	1000V	
CR-300S	3 W	15±1.0	5.0±0.5	30±3	0.80±0.05	500 V	1000 V	1000V	
CR-300	3 W	17±1.0	6.0±0.5	35±3	0.80±0.05	500 V	1000 V	1000V	

CARBON FILM RESISTORS (CR)

Feature

Items	性能 Characteristics				測試方法 Test Method (JIS C5202)	
使用溫度範圍 Temp Range	-55~+155°C				---	
抵抗溫度係數 (PPM/°C) Temp Coefficient	TCR	+350~-450	0~-700	0~-1000	0~-1300	5.2
	Item	CR-16	51KΩ~100KΩ	110KΩ~330KΩ	≥360KΩ	
	CR-25	110KΩ~1MΩ	1.1MΩ~2.2MΩ	≥2.4MΩ		
端子強度 Terminal Strength	拉力 2.5kg 10秒以上 Tensile 2.5kg over 10 seconds				6.1	
耐溶劑性 Resistance to Solvents	外觀無損傷, 電氣性能無異常發生 No mechanical damage, no change for character				MIL-STD-202E-215	
焊錫性 Solderability	覆蓋面積大于95%以上 Over 95% covered				6.5	
耐電壓 Dielectric Withstanding Voltage	No mechanical damage				5.1A	
絕緣阻抗 Insulation Resistance	≥10000MΩ				5.6A	
短時間過負荷 Short-Time Overload	±(1%+0.05Ω)				5.5A	
焊接耐熱性 Resistance to soldering heat	±(1%+0.05Ω)				6.4 350°C 3sec	
耐久性 (耐濕負荷) Moisture Resistance	Below 100KΩ ±3%		Above 100KΩ ±5%		7.9 1000 hrs	
耐久性 (額定負荷) Rated Voltage Resistance	Below 100KΩ ±2%		Above 100KΩ ±3%		7.10 1000 hrs	

降功率曲綫 Derating curve



溫度上升曲綫 Surface temp rise

