

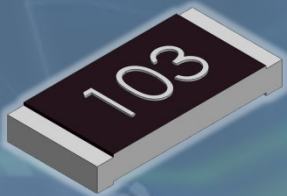
High Power Thick Film (HP Series)



厚聲集團

Features:

- Comply with AEC-Q200
- High Power in standard size
- Can produce in low ohmic value ($0.1\Omega \sim 0.976\Omega$)
- Space Saver
- Suitable for both wave & re-flow soldering
- Available in KIT packaging (E24)



Application:

- AV adapters
- Automotive
- PDA's
- Digital Meter
- Industrial
- Battery Charger
- LCD back-light
- Camera strobe
- SMPS / Power Supply
- General purpose

Alternative for Yageo:

RCxx-7W

ACxx-7W



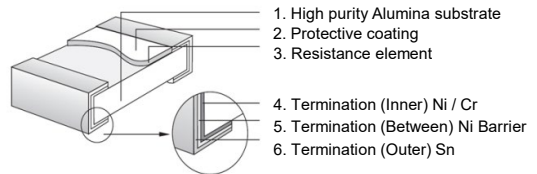
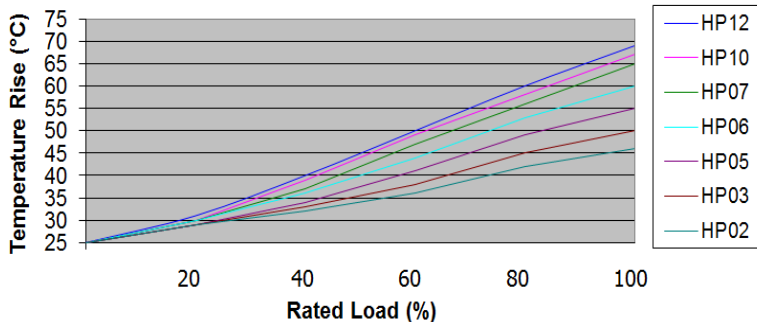
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44 Years!
Resistors Specialist

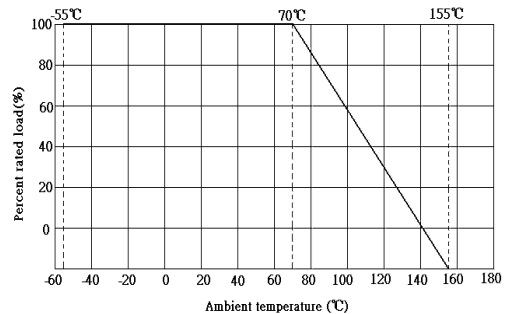
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Heat Rise Chart



Derating Curve



Type	Value Range 1%(E96) 5%(E24)	Power @ (70°C)	Max Working Voltage	Max Overload Voltage	I _{max} 0Ω
HP02	1Ω-10MΩ	1/10W	50V	100V	3A
HP03	0.1Ω~0.976Ω	1/5W	75V	150V	5A
HP05		1/3W	150V	300V	6A
HP06	1Ω-10MΩ	1/2W	200V	400V	10A
HP07		3/4W	200V	500V	12A
HP10		1W	200V	500V	12A
HP12		2W	300V	500V	16A

Characteristic

Test Item	Standard	Test Item	Standard
Temperature Coefficient	HP02: 1Ω ≤ R ≤ 10Ω: ±400 ppm/°C 10Ω < R ≤ 100Ω: ±200 ppm/°C 100Ω < R ≤ 10M : ±100 ppm/°C HP03 & HP05 : 0.1Ω < R ≤ 10Ω: ±200 ppm/°C 10Ω < R ≤ 10M : ±100 ppm/°C HP06 ~ HP12 : ±100ppm/°C	Solderability	Min. 95% coverage
		Dielectric Withstanding Voltage	No evidence of flashover, mechanical damage, arcing or insulation breakdown
		Resistance to Soldering Heat	±(1%+0.05Ω) Max
		Temperature Cycling	1%: ±(0.5%+0.05Ω) Max 5%: ±(1%+0.05Ω) Max
Short Time Overload	1%: ±(1%+0.1Ω) Max 5%: ±(2%+0.1Ω) Max	Load Life in Humidity	1%: ±(1%+0.1Ω) Max 5%: ±(3%+0.1Ω) Max
Terminal Bending	±(1%+0.05Ω) Max	Load Life	1%: ±(1%+0.1Ω) Max 5%: ±(3%+0.1Ω) Max



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