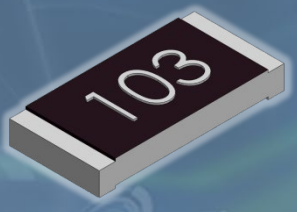
High Power Thick Film (HP Series)

UNI·ROYAL 厚聲集團

Features:

- Comply with AEC-Q200
- High Power in standard size
- Can produce in low ohmic value (0.1Ω ~ 0.976Ω)
- 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

IATF 16949
ISO 14001

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44 Years! Resistors Specialist

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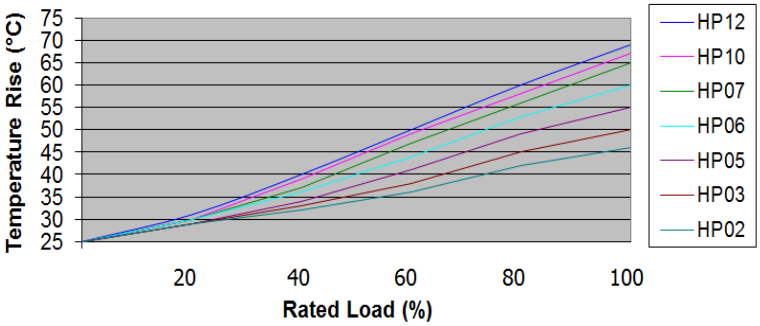
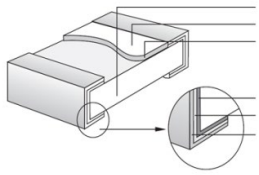
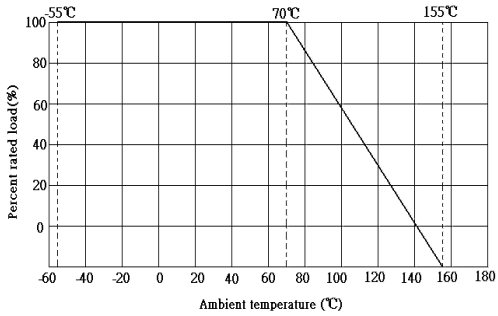
Heat Rise Chart





1. High purity Alumina substrate
2. Protective coating
3. Resistance element
4. Termination (Inner) Ni / Cr
5. Termination (Between) Ni Barrier
6. Termination (Outer) Sn

Derating Curve



Type	Value Range 1%(E96) 5%(E24)	Power @ (70℃)	Max Working Voltage	Max Overload Voltage	Imax 0Ω
HP02	1Ω-10MΩ	1/10W	50V	100V	3A
HP03	0.1Ω~0.976Ω 1Ω-10MΩ	1/5W	75V	150V	5A
HP05		1/3W	150V	300V	6A
HP06		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/℃	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

PbFREE! Halogen Free RoHS Compliant REACH READY

IATF 16949
ISO 14001

This document is a general reference only
Any inquiry/technical support pls. send email to your contact sales.

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