Power Flat Alloy Resistors

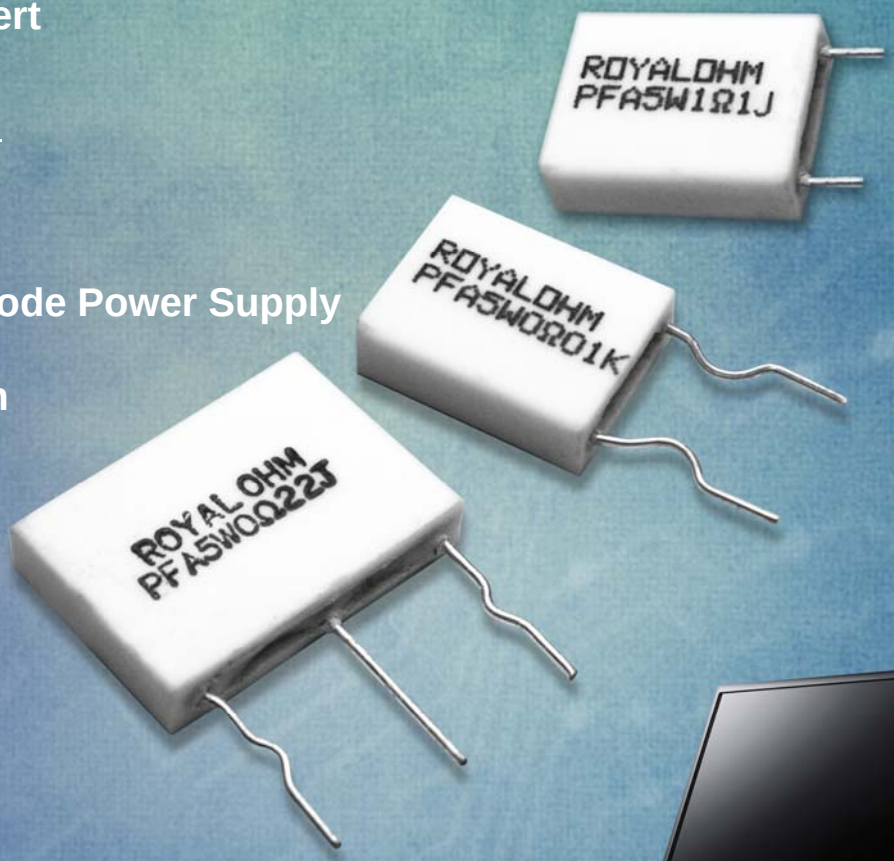
ROYALOHM

Features

- Low Inductance
- Safety flameproof construction
- Thin & lightweight save PCB space
- Easy to insert

Application

- TV
- Audio
- Switching Mode Power Supply
- Microwave
- Air condition

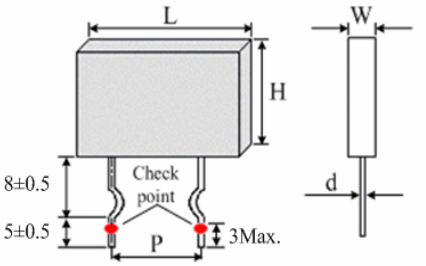


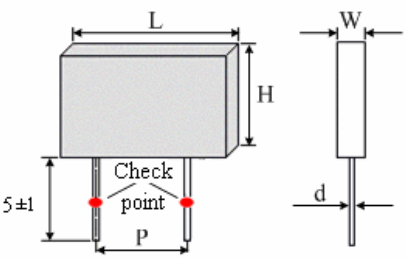
ISO / TS 16949
ISO 14001

POWER FLAT ALLOY RESISTORS

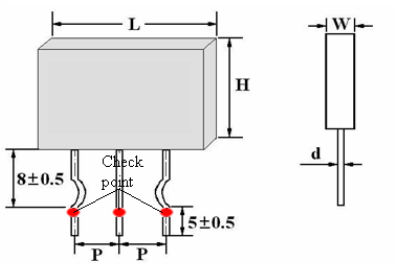
Structure

PFAS

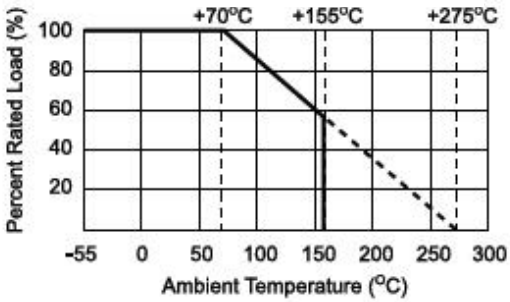




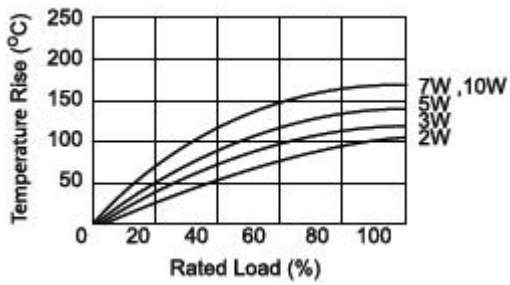
PFAT



Derating Curve



Heat Rise Chart



Type	Resistance Tolerance	Max Working Voltage	Operating Temperature Range
PFAS / PFAT	± 5% , ± 10%	RCWV = $\sqrt{PxR}$	-55℃~+155℃

Type	Power Rating	L ± 1	H ± 1	W + 0 / -0.5	d ± 0.05	P ± 1	Resistance Range
PFAS (Single Circuit)	2W	14	9	5.5	0.75	10	0.1Ω~0.68Ω
	3W	14	13	5.5	0.75	10	0.1Ω~0.68Ω
	5W	14	18	5.5	0.75	10	0.1Ω~1Ω
	10W	26	18	5.5	0.75	20	0.22Ω~3.3Ω
PFAT (Twin Circuit)	2W	26	9	5.5	0.75	10	0.1Ω~0.68Ω
	3W	26	13	5.5	0.75	10	0.1Ω~0.68Ω
	5W	26	18	5.5	0.75	10	0.1Ω~1Ω
	7W	26	20	5.5	0.75	10	0.1Ω~1Ω

Characteristic

Test Item	Standard
Temperature Cycling	±(5.0%+0.05Ω)Max
Short Time Overload	±(2.0%+0.05Ω)Max
Humidity (Steady State)	±(5.0%+0.05Ω)
Load Life	±(5.0%+0.05Ω) Max
Dielectric Withstanding Voltage	2,000V

Test Item	Standard
Temperature Coefficient	±350PPM/ºC
Resistance to Soldering Heat	±(1.0%+0.05Ω)
Solderability	Min. 95% coverage
Terminal Strength	No evidence of mechanical damage.
Load Life in Humidity	±(5.0%+0.05Ω)