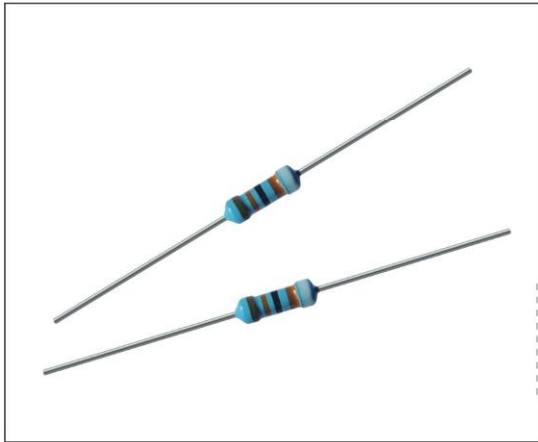
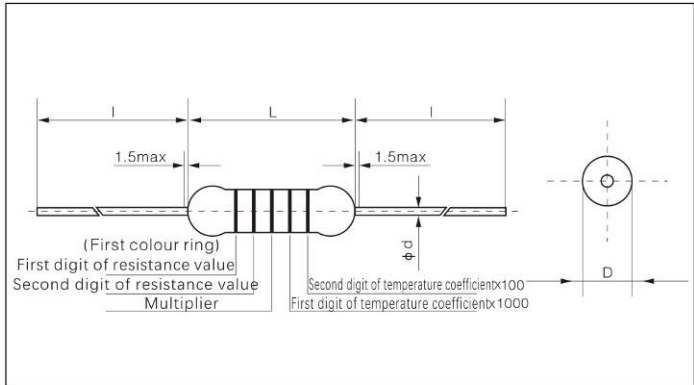


MZ60 metal film thermistors



Construction(mm)



Features

- Linearly positive TCR
- Rapid thermal response speed
- Blue coating, color code marking, blistertape and lead forming available

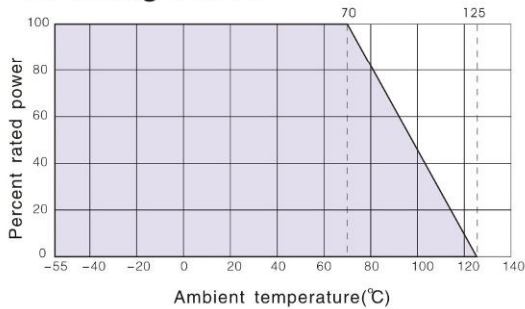
Applications

- Suitable for the temperature compensation thermal protection

Reference Standards

Q/ATK01-1992

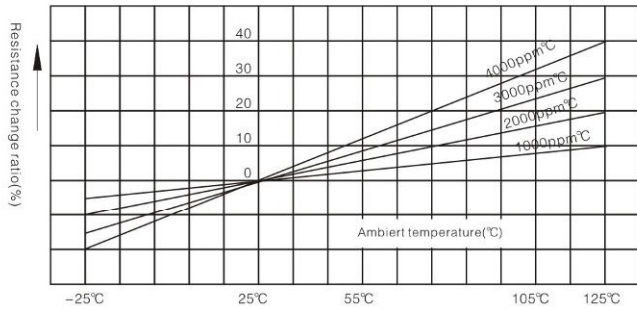
Derating Curve



Dimensions(mm)

Type	Lmax	Dmax	d ± 0.05	L ± 3
MZ60-1/6W	3.8	2.1	0.5	28.0
MZ60-1/4W	7.0	2.5	0.6	28.0

Resistance Change VS Temperature



Technical Specifications

Type	Rated Power	Max Working Voltage	Insulate voltage	TCR (10 ⁻⁶ /K)	Tolerances	Resistance Range	Rating. AMB.temp	Operating. Temp.range
MZ60-1/6	1/6W	150V	250V	1000~2400	± 2% ± 5% ± 10%	4.7Ω~1KΩ	70°C	-55°C~125°C
MZ60-1/4	1/4W	250V	350V	500~3900		1Ω~2KΩ		

Performance

Test Item	Specifications	Test Method
		GB/T7153-2002
Rapid change of temperature	$\Delta R \leq \pm (1\%R + 0.05\Omega)$	-55°C/125°C, 5cycles
Leaching	$\Delta R \leq \pm (1\%R + 0.05\Omega)$	350 ± 10°C, 3.5 ± 0.5S
Climatic category	$\Delta R \leq \pm (3\%R + 0.1\Omega)$	275°C, 16h/55°C, RH93 ± 3%, 24h/ -55°C, 2h/8.5kpa, 15~35°C, 1h
Endurance at 70°C	$\Delta R \leq \pm (3\%R + 0.1\Omega)$	70°C, P _R , 1000h

How To Order

Example

MZ60	1/6W	1K5	± 5%	± 500(10 ⁻⁶ /K)	Boxes
Type	Power	Nominal Value	Tolerance	TCR	Packaging
MZ60	1/6W 1/4W	1K5	± 2% ± 5% ± 10%	± 500(10 ⁻⁶ /K) ± 1000(10 ⁻⁶ /K) ± 3900(10 ⁻⁶ /K)	Tape Bag

Properties of precised metalfilm resistors

Our precised metalfilm resistors use highgrade ceramics body (Al₂O₃ content ≥ 96%) as substrate for its high quality in insulation, dielectric coefficient, and mechanical strength, excellent alloy is gained through vacuum metallizing process. leads & caps imported are conform to MIL standard, its special design make resistance element body and caps connected with each other inseparably.

Better TCR is available through special treatment on the top of element body for low resistance.

Resistors for military aplitary application meet the requirements of MIL standard(USA) and GJB(CHINA) with high stability as well as perfect TCR and precision .

Its resin-coating & mould package make products be in good properties regarding high voltage-resistance and moisture-proof.