

## ● Features

- I High Surge Energy.
- II Non-Inductiv.
- III Small Size.

## ● Applications

- I Motor Drives.
- II Power Supplies, UPS.
- III Power Conversion.
- IV In-Rush Current Limiting.

## ● Dimensions



TYPE	Rated Power (W)	L max.	D max.	H max.	S norm.	d ±0.1	Energy
HJV1	2.0W	15	13	22	12.5	1.0	250
HJV2	2.5W	20	13	19	17.5	1.0	400
HJV3	3.5W	15	21	26	12.5	1.0	700
HJV4	4.5W	25	21	26	22.5	1.0	1400
HJV5	5.5W	30	26	33	27.0	1.0	2800

## ● Applications And Ratings

Type	Rated Power (W)	Impulse Voltage 3 (V)	Resistance Range(Ω)	Tolerance Range	Operating Temperature
HJV1	2.0W	1000	3.3 to 10K	K ± 10% M ± 20%	-55~150°C
HJV2	2.5W	1500	4.7 to 15K		
HJV3	3.5W	1000	1.0 to 3.3K		
HJV4	4.5W	2000	2.2 to 6.8K		
HJV5	5.5W	2500	1.5 to 4.7K		

1 E12 Standard Values ± 10%; 2 Free Air 40° C Ambient; 3 In Air; 4 Single Impulse

## ● Ordering Information

Example:

HJV	2	K	470
(1)	(2)	(3)	(4)
Series Name	Power Rating	Resistance Tolerance	Resistance

(1)Type: HJV SERIES

(2)Power Rating: 1=2.0W、2=2.5W、3=3.5W、4=4.5W、5=5.5W

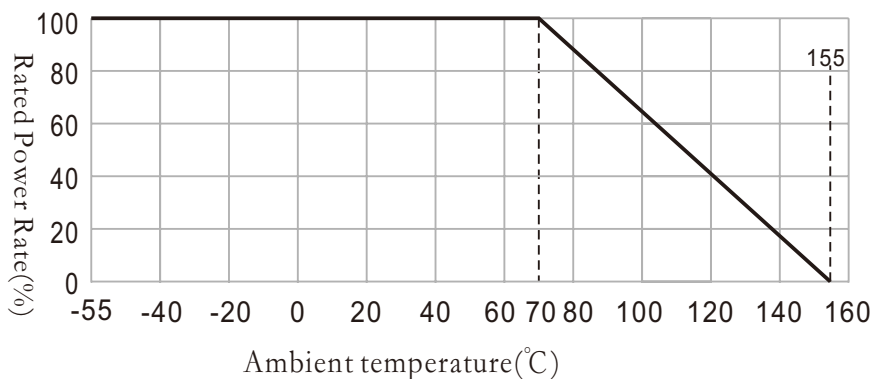
(3)Tolerance: K=± 10%,M=± 20%

(4)Resistance Value:470=47Ω,471=470R.....

## ● Reference Standards

MIL-STD-202

## ● Derating Curve



## ● Performance Characteristics

Parameter	Max. ΔR	Test Method
Life Test	+5%	MIL-STD-202F, method 108A. except 50° C, 1000 hrs. @ rated power; 1.5 hrs. ON, 0.5 hrs. OFF
Single Pulse Energy	± 1.5%	Single pulse, capacitor discharge at Rated Energy; 350VDC for CGR2 and CGR3 sizes; 650VDC for CGR4 and CGR5 sizes.
Repetitive HVPulsing	± 2.0%	10 joules @ 5.0KV, 10,000 cycles
Short-time Overload	± 1.5%	10x rated power. 5 sec. ON, 5sec. OFF, 5 cycles
Short-term High Temp	± 1.5%	250° C for 30 seconds
Long-term High Temp	± 2.0%	1000 hours @ 150° C
Thermal Shock Cycle	± 2.0%	MIL-STD-202F, method 107D. -55°C to +125°C, 5 cycles
Moisture Resistance	± 1.0%	90% to 95% rh @ 40° C, 1000 hrs.
Resistance Element	Bulk Ceramic	
Terminals	Radial; 100% Sn solder coated radial (60/40 sol-der available upon request)	
Coating	UL94V0, solvent resistant epoxy	
Tolerance	± 10% Standard	
Operating Temp. Range	-55° C to 150° C	
Derating	Derates linearly from 100% @ 50° C to 0% @ 150° C	
Temperature Rise	100° C @ 100% rated power, 50° C ambient	