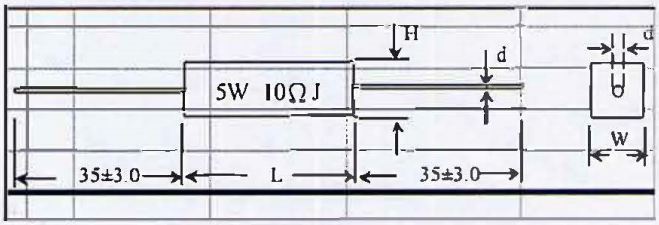
Cement Resistors - SQP TYPE

FEATURES

- Small size and low cost,
- Super heat dissipation, stable in high temperature
- Instant overload capability
- Standard Tolerance: ±5% (available 1% - 5%)
- Standard Value: E24 series as range below
- Working Termperature Range: -55°C ~ +275° C
- For high resistance values, metal oxide film rods will be utilized to replace the wirewinding core.
- Package in bulk type only

MATERIAL

- Core: High purity ceramic Al2O3
- Element: Alloy resistance wire
- Termination: Standard solder-plated cooper lead
- Case: Ceramic bathtub



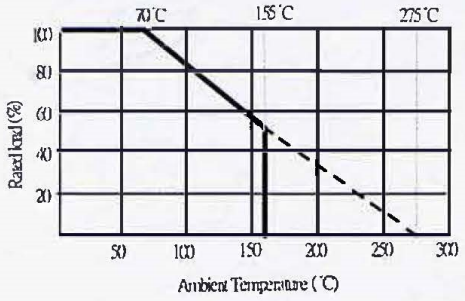
GENERALSPECIFICATION

TYPE	DIMENSION (mm)				POWER	MAX. VOLTAGE		RESISTANCE RANGE	
	L ± 2.0	W ± 1.0	H ± 1.0	d ± 0.05	RATING	WORKING	OVERLOAD	WIREWINDING	MOF RODS
SQP-2	18.0	6.5	6.5	0.80	2W	350V	700V	0.1Ω~100Ω	101Ω~1MΩ
SQP-3	22.0	8.0	8.0	0.80	3W	500V	1000V	0.1Ω~100Ω	101Ω~1MΩ
SQP-5	22.0	10.0	9.5	0.80	5W	750V	1500V	0.1Ω~100Ω	101Ω~1MΩ
SQP-7	35.0	10.0	9.5	0.80	7W	1000V	1500V	0.5Ω~500Ω	501Ω~47KΩ
SQP-10	48.0	10.0	9.5	0.80	10W	1000V	1500V	0.5Ω~1KΩ	1K1Ω~47KΩ
SQP-15	48.5	12.5	11.5	0.80	15W	1000V	1500V	0.5Ω~1KΩ	1K1Ω~47KΩ
SQP-20	60.0	15.0	13.5	0.80	20W	1000V	1500V	0.5Ω~1KΩ	1K1Ω~47KΩ
SQP-25	60.0	15.0	13.5	0.80	25W	1000V	1500V	0.5Ω~1KΩ	1K1Ω~47KΩ

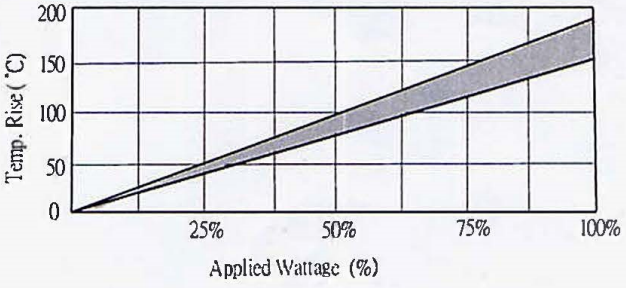
* Maximum Working Voltage determined by $E=\sqrt{PxR}$, where E should not exceed value listed in column above.

** Maximum Overload Voltage equals to 2.5xE, but should not exceed value listed in column above

DERATING CURVE



TEMPERATURE RISE



CHARACTERISTIC

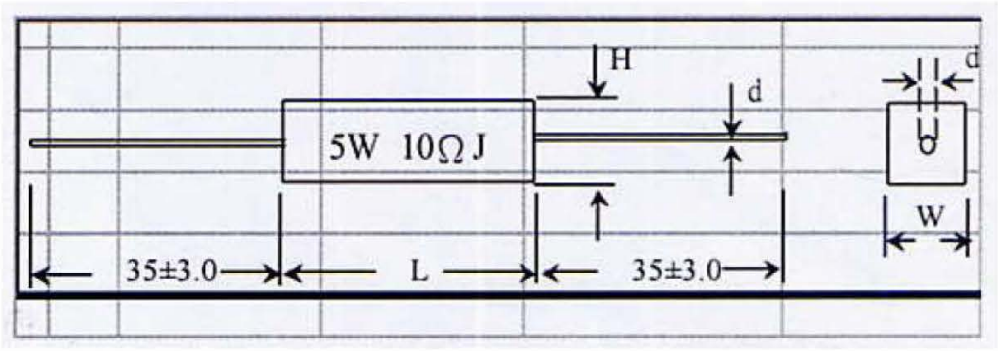
Temperature Coefficient	±350 ppm
Insulation Resistance	10,000MΩ Min.
Load Life (1000 hours)	<±5%+0.05Ω
Shorttime Overload	<±2%+0.05Ω
Temperature Cycling	<±1%+0.05Ω
Moisture Resistance	<±5%+0.05Ω
Shock & Vibration	<±1%+0.05Ω
Effect of Soldering	<±2%+0.05Ω

HOW TO ORDER :

SQP5W	0R5	J
Type/Power/size	Resistance Value	Tolerance
SQP2W	0R1 = 0.1Ω	J= ±5%
SQP3W	10R = 10Ω	G=±2%
SQP5W	1K2 = 1.2KΩ	F=±1%
SQP7W		
SQP10W		
SQP15W		
SQP20W		
SQP25W		

CEMENT RESISTOR - SQP series dimensions

DIMENSIONS



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	L ± 2.0	W ± 1.0	H ± 1.0	d ± 0.05	RATING	WORKIMG	OVERLOAD	WIREWINDING	MOF RODS
SQP-2	18.0	6.5	6.5	0.8	2W	350V	700V	0R1~100R	101R~1M
SQP-3	22.0	8	8	0.8	3W	500V	1000V	0R1~100R	101R~1M
SQP-5	22.0	10	9.5	0.8	5W	750V	1500V	0R1~100R	101R~1M
SQP-7	35.0	10	9.5	0.8	7W	1000V	1500V	0R5~500R	501R~47K
SQP-10	48.0	10	9.5	0.8	10W	1000V	1500V	0R5~1K	1K1R~47K
SQP-15	48.0	12	11.5	0.8	15W	1000V	1500V	0R5~1K	1K1R~47K
SQP-20	60.0	15	13.5	0.8	20W	1000V	1500V	0R5~1K	1K1R~47K
SQP-25	60.0	15	13.5	0.8	25W	1000V	1500V	0R5~1K	1K1R~47K
SQP-30	77.0	18	17	0.8	30W	1000V	1500V	0R5~1K	
SQP-40	90.0	19	18	0.8	40W	1000V	1500V	0R5~1K	
SQP-50	90.0	19	18	0.8	50W	1000V	1500V	0R5~1K	