

水泥電阻器(SQP)系列

POWER RANGE: 2W~40W

SQP TYPE

CEMENT FIXED RESISTOR

□ FEATURE

- Exceptionally small and sturdy, mechanically safe, Excellent electrical characteristic
- Tolerance of $\pm 5\%$ and $\pm 10\%$ are standard.
- Non-inductive type are available on request.
- Heat and flame resistance
- The materials used and the construction techniques ensure excellent flame resistance, arc resistance and moisture resistance as well as self-extinguishing capabilities, They will withstand the most rigorous loading test.
- As resistors in radio and television receiver, The hazardous conditions of smoking and reheat can be completely prevented by the proper choice of power resistors.
- For high resistance value, The winding core will be replaced by metal oxide film core (RS Type)
- Applicable specifications: EIA RS-344 and EIA RC-649

FIGURE



□ ORDERING INFROMATION

Example: CM-SQP5WR500J (5W 0.5R $\pm 5\%$)

TYPE	POWER	Resistance (Ω)	Tolerance
CM-SQP	2W	0.1R = R100	H = $\pm 3\%$
CM-SQP	3W	1R00 = 1R00	J = $\pm 5\%$
CM-SQP	5W	10R0 = 10R0	K = $\pm 10\%$
CM-SQP	7W	100R = 101	
CM-SQP	10W	1K = 102	
CM-SQP	15W	10K = 103	
CM-SQP	20W	100K = 104	
CM-SQP	25W		
CM-SQP	30W		
CM-SQP	40W		

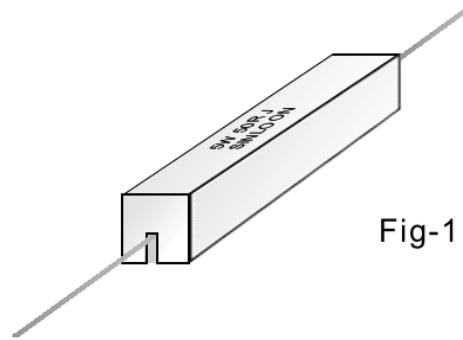


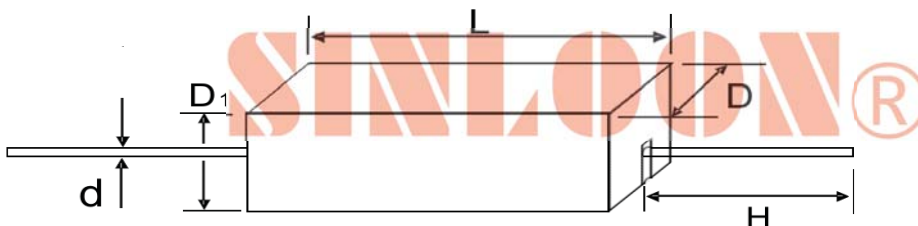
Fig-1

□ DIMENSION AND DATA RATING

TYPE SQP	DIMENSION (mm)					Value Range (Ω)		Max working voltage	Figure
	L	H ± 3.0	D	D ₁	d ± 0.03	Wire Wound	Metal oxide		
2W	18.0	32.0	7.0	7.0	0.65	0.1~50	50~20K	150V	Fig-1
3W	22.0	32.0	8.0	8.0	0.80	0.1~50	50~33K	300V	
5W	22.0	32.0	9.5	9.0	0.80	0.1~50	50~50K	350V	
7W	35.0	32.0	9.5	9.0	0.80	0.1~100	100~50K	500V	
10W	48.0	32.0	9.5	9.0	0.80	0.1~100	100~50K	500V	
15W	48.0	32.0	12.0	12.0	0.80	0.1~100	100~50K	500V	
20W	60.0	32.0	13.0	13.0	0.80	0.1~100	100~150K	500V	
25W	60.0	32.0	13.0	13.0	0.80	0.1~100	100~150K	1KV	
30W	77.0	32.0	18.0	17.0	0.80	0.1~500		1KV	
40W	90.0	32.0	13.0	18.0	0.80	0.1~500		1KV	

* Resistance Range for standard resistance, Below of over this resistance request.

* Non-ibductuve type up 20 Ω only.



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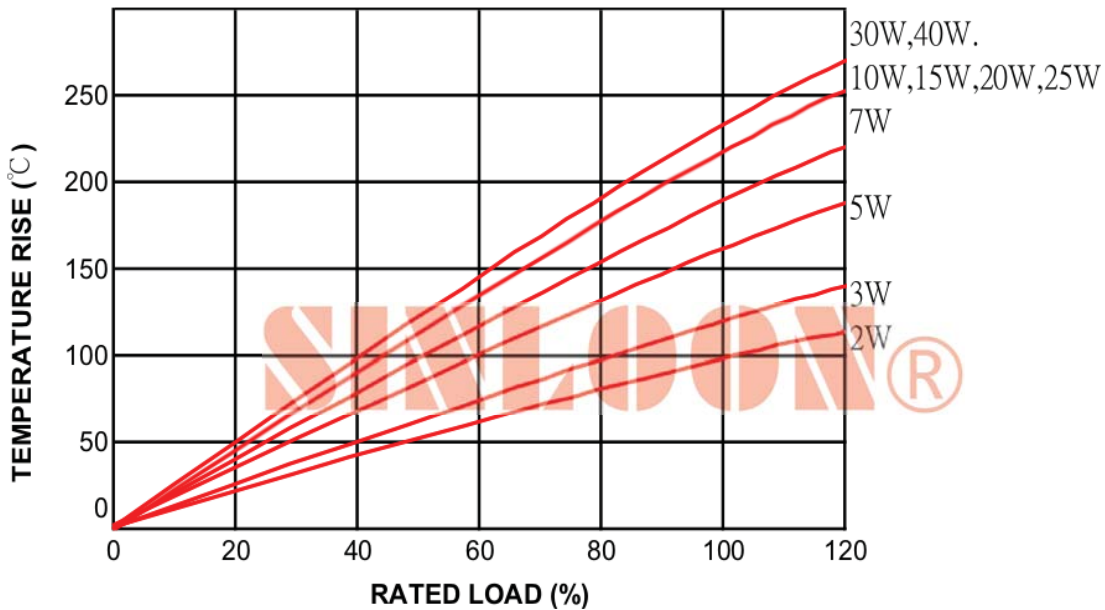
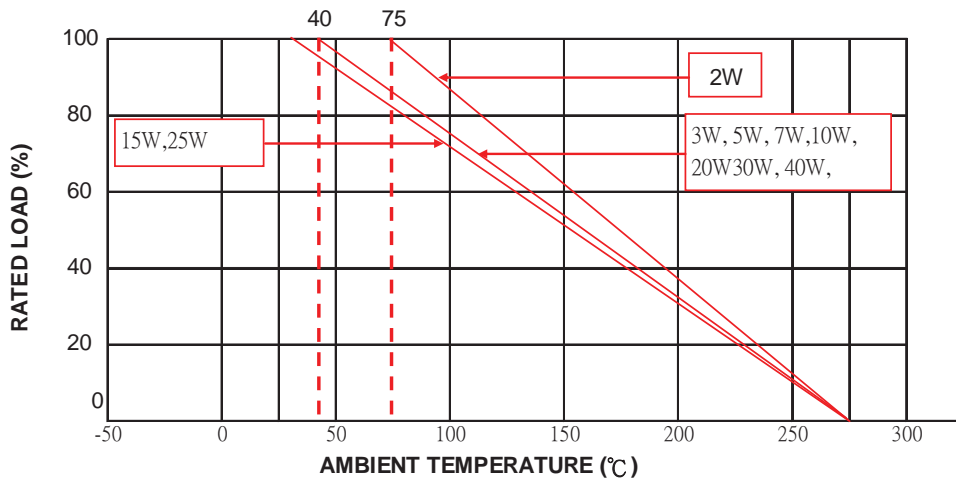
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CEMENT FIXED RESISTOR

ENVIRONMENTAL CHARACTERISTICS :

PERFORMANCE TEST	APPRAISE
Short Time Overload	$\pm 2\% + 0.05\Omega$
Dielectric Withstanding Voltage	$\pm 2\% + 0.05\Omega$
Temperature Coefficient	MAX. 300ppm/°C
Insulation Resistance	$\geq 100\text{ M}\Omega$
Solderability	95% min. coverage
Resistance to Solvent	no deterioration
Terminal Strength	$\geq 2.5\text{KG}/24.5\text{N}$
Pulse Overload	$\pm 2\% + 0.05\Omega$
Load Life in Humidity	$\pm 5\% + 0.05\Omega$
Load Life	$\pm 5\% + 0.05\Omega$
Temperature Cycling	$\pm 2\% + 0.05\Omega$
Soldering Heat	$\pm 2\% + 0.05\Omega$
Mositure resistance	$\pm 5\% + 0.05\Omega$
Shock and Vibration	$\pm 1\% + 0.05\Omega$
Effect of Soldering	$\pm 2\% + 0.05\Omega$

DERATING CURVE



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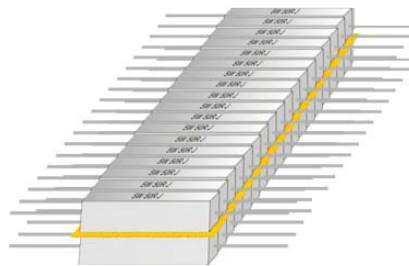
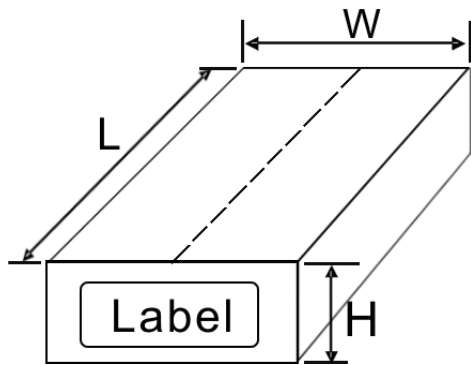
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CEMENT FIXED RESISTOR

☐ PACKING

TYPE SQP	INNER BOX DIMENSION (cm)			QUANTITY	CARTON DIMENSION (cm)			QUANTITY	WIGHT GORSS
	L	W	H		L	W	H		
2W	26	15	11	500	31	27.5	47	4000	
3W	26	15	11	500	31	27.5	47	4000	
5W	26	15	11	500	31	27.5	47	4000	
7W	26	15	11	500	31	27.5	47	2000	
10W	26	15	11	250	31	27.5	47	2000	
15W	26	15	11	200	31	27.5	47	1600	
20W	26	15	11	125	31	27.5	47	1000	
25W									
30W									
40W									

Inner Box Fig-1



Carton Fig-2

