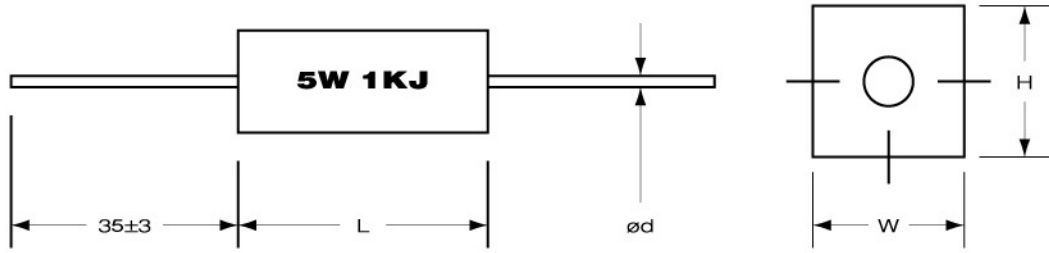


# Cement Resistor - SQP Series



## DIMENSIONS:

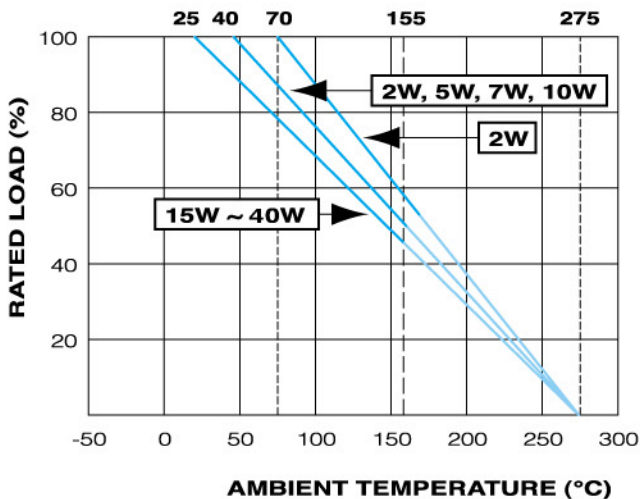
STYLE	DIMENSIONS (mm)								
	Normal	Mini.	Normal	Mini.	Normal	Mini.	ød	Ohm Range	
SQP	L		H		W			Wire Wound	Metal Oxide
1W	13.5±1.0		6.0±1.0		6.0±1.0			0.1Ω~20Ω	21Ω~100K
2W	18.0±1.0		7.0±1.0		7.0±1.0		0.56±0.05	0.1Ω~82Ω	83Ω~100K
3W & 4W	22.0±1.5	20.0±1.5	8.0±1.0	6.5±1.0	8.0±1.0	6.5±1.0	0.8±0.05	0.1Ω~470Ω	471Ω~100K
5W	23.0±1.5	26.0±1.5	9.5±1.0	6.5±1.0	9.0±1.0	6.5±1.0	0.8±0.05	0.1Ω~470Ω	471Ω~100K
7W	35.0±1.5	25.0±1.5	9.5±1.0	9.0±1.0	9.0±1.0	9.0±1.0	0.8±0.05	0.1Ω~680Ω	681Ω~50K
10W	48.0±1.5	35.0±1.5	9.5±1.0	9.0±1.0	9.0±1.0	9.0±1.0	0.8±0.05	0.1Ω~820Ω	821Ω~50K
15W	48.0±1.5	48.0±1.5	12.5±1.5	9.5±1.0	12.5±1.5	9.5±1.0	0.8±0.05	0.1Ω~1K	1.1K~20K
20W	60.0±1.5	60.0±1.5	14.0±1.5	12.5±1.5	14.0±1.5	12.5±1.5	1.0±0.05	0.1Ω~1K	1.1K~20K
25W	60.0±1.5	60.0±1.5	14.0±1.5	12.5±1.5	14.0±1.5	12.5±1.5	1.0±0.05	0.1Ω~1K	1.1K~20K
30W	76.0±1.5	60.0±1.5	19	12.5±1.5	19.0±1.5	12.5±1.5	1.0±0.05		
40W	90.0±1.5	60.0±1.5	19	12.5±1.5	19.0±1.5	12.5±1.5	1.0±0.05		

## ELECTRICAL CHARACTERISTICS:

Style	Power Rating 70°C	SQP-2W	SQP-3W	SQP-5W	SQP-7W	SQP-10W	SQP-20W
		SQP-3WS	SQP-5WS	SQP-7WS	SQP-10WS	SQP-15WS	SQP-25W-40W
Operating Temp. Range		-55°C ~ +155°C					
Max. Working Voltage		250V	350V	350V	500V	500V	500V
Max. Overload Voltage		500V	700V	700V	1000V	1000V	1000V
Dielectric Withstanding Voltage (AC)		500V	700V	700V	1000V	1000V	1000V
Value Range ±5% (Ceramic core)		0.1Ω ~ 100Ω			0.5Ω ~ 220Ω	1Ω ~ 270Ω	
Value Range ±5% (Metal Oxide Film)		110Ω ~ 100K			240Ω ~ 10K	300Ω ~ 10K	
Temp. Coefficient		±300ppm/°C					

- \* a. Standard resistance is as the above list, below or over this resistance is on request.
- b. Value for NKN Non-Inductive type is up to 50Ω only.

## DERATING CURVE



## TEMPERATURE RISE

