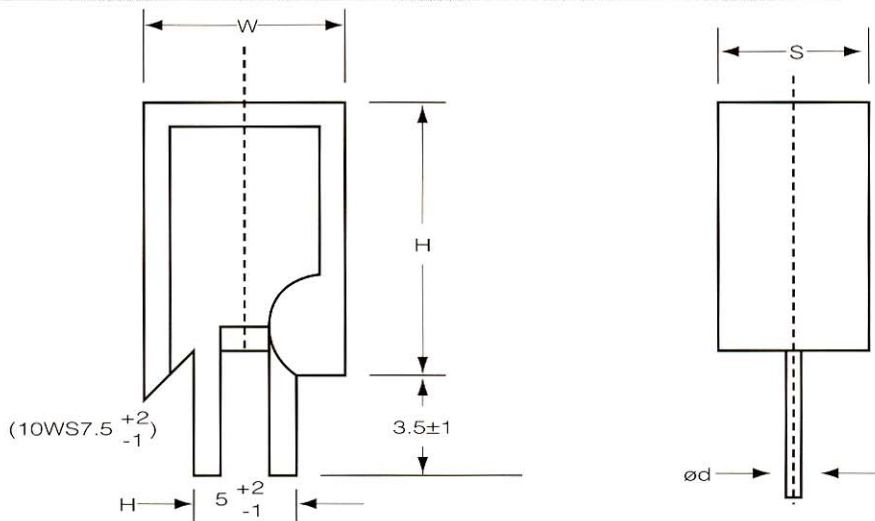


# SQM Series Cement Wire Wound Resistors



## DIMENSIONS:

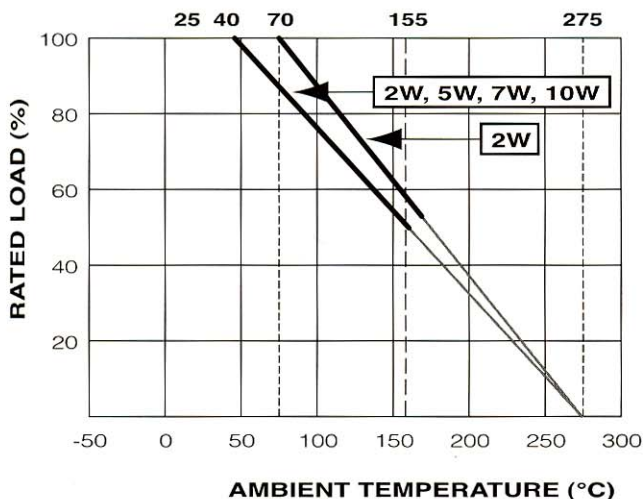
STYLE	DIMENSIONS (mm)						ød
	Normal	Mini.	Normal	Mini.	Normal	Mini.	
<b>SQP-L</b>	<b>L</b>		<b>W</b>		<b>S</b>		
<b>2W</b>	20.0±1.0	-----	11.0±1.0	-----	7.0±1.0	-----	0.8±0.05
<b>3W</b>	25.0±1.5	20.0±1.5	12.0±1.0	11.0±1.0	8.0±1.0	7.0±1.0	0.8±0.05
<b>5W</b>	25.0±1.5	25.0±1.5	13.0±1.0	12.0±1.0	9.0±1.0	8.0±1.0	0.8±0.05
<b>7W</b>	39.0±1.5	25.0±1.5	13.0±1.0	13.0±1.0	9.0±1.0	9.0±1.0	0.8±0.05
<b>10W</b>	51.0±1.5	35.0±1.5	13.0±1.0	16.0±1.0	10.0±1.0	12.0±1.0	0.8±0.05

## ELECTRICAL CHARACTERISTICS:

Style	Power Rating 70°C	SQM-2W	SQM-3W	SQM-5W	SQM-7W	SQM-10W
		SQM-3WS	SQM-5WS	SQM-7WS	SQM-10WS	—
Operating Temp. Range		-55°C ~ +155°C				
Max. Working Voltage		250V	350V	350V	500V	500V
Max. Overload Voltage		500V	700V	700V	1000V	1000V
Dielectric Withstanding Voltage (AC)		500V	700V	700V	1000V	1000V
Value Range ±5% (Ceramic core)		0.1Ω ~ 47Ω	0.1Ω ~ 100Ω	0.1 ~ 180Ω	0.1 ~ 470Ω	0.1 ~ 680Ω
Value Range ±5% (Metal Oxide Film)		48 ~ 100K	110Ω ~ 100K	180 ~ 100K	471 ~ 10K	681 ~ 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

