

# Cement Wirewound Resistors (Radial Type)



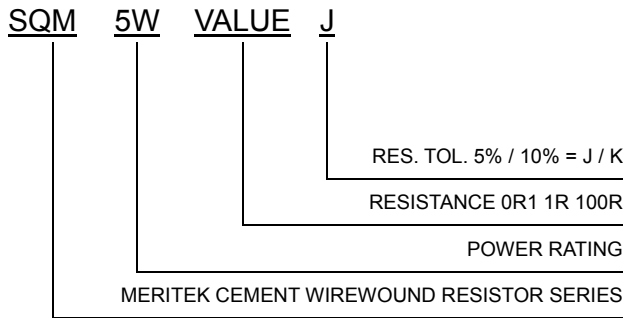
SQM Series

MERITEK

## FEATURES

- Heat and flame resistant
- The complete insulation characteristics are ideal for printed circuit board applications.
- For high resistance value, the winding core will be replaced by metal oxide film core (RS type).
- Non-inductive types are available on request.
- Tolerance:  $\pm 5\%$   $\pm 10\%$ .

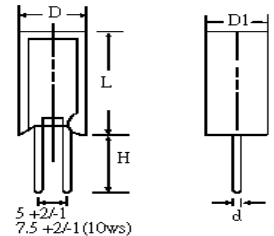
## PART NUMBERING SYSTEM



(Bulk only)

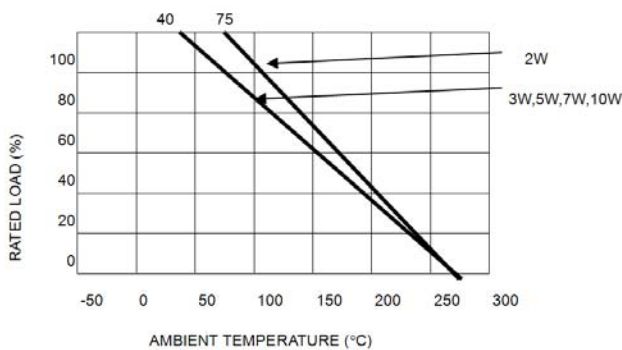
## SPECIFICATIONS

SQM	DIMENSION(Mm)					Value Range		Max Working Voltage
	L	H	D	D1	d	Wire wound	Metal oxide	
2W	20.0	4~15 $\pm 1$	11.5	7.5	0.65 $\pm 0.03$	0.01 $\Omega$ ~50 $\Omega$	51 $\Omega$ ~50K $\Omega$	150V
3W	25.0	4~15 $\pm 1$	12.0	8.5	0.8 $\pm 0.03$	0.01 $\Omega$ ~50 $\Omega$	51 $\Omega$ ~50K $\Omega$	300V
5W	25.0	4~15 $\pm 1$	13.0	9.0	0.8 $\pm 0.03$	0.01 $\Omega$ ~50 $\Omega$	51 $\Omega$ ~50K $\Omega$	350V
7W	39.0	4~15 $\pm 1$	13.0	9.0	0.8 $\pm 0.03$	0.01 $\Omega$ ~100 $\Omega$	101 $\Omega$ ~47K $\Omega$	500V
10W	51.0	4~15 $\pm 1$	13.0	9.0	0.8 $\pm 0.03$	0.01 $\Omega$ ~100 $\Omega$	101 $\Omega$ ~47K $\Omega$	750V
10WS	35.0	4~15 $\pm 1$	16.0	12.0	0.8 $\pm 0.03$	0.01 $\Omega$ ~100 $\Omega$	101 $\Omega$ ~47K $\Omega$	750V

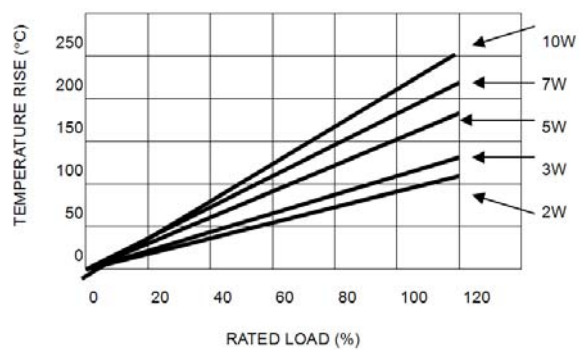


1. Resistance Range for standard resistance › below or over this resistance on request.
2. Non-inductive type available up to 50 ohms.

## DERATING CURVE



## TEMPERATURE RISE



# Cement Wirewound Resistors (Radial Type)



SQM Series

**MERITEK**

## PERFORMANCE

Temperature Coefficient	$\pm 300$ PPM/ $^{\circ}$ C	Dielectric Withstanding Volt	$\pm 2\% + 0.05\Omega$
Insulation Resistance	$> 100M\Omega$	Moisture Resistance	$\pm 5\% + 0.05\Omega$
Load Life (1,000hours)	$\pm 5\% + 0.05\Omega$	Shock And Vibration	$\pm 1\% + 0.05\Omega$
Short-Time Overload	$\pm 2\% + 0.05\Omega$	Effect Of Soldering	$\pm 2\% + 0.05\Omega$

# Cement Wirewound Resistors (Axial Type)



SQP Series

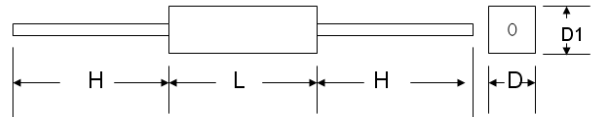
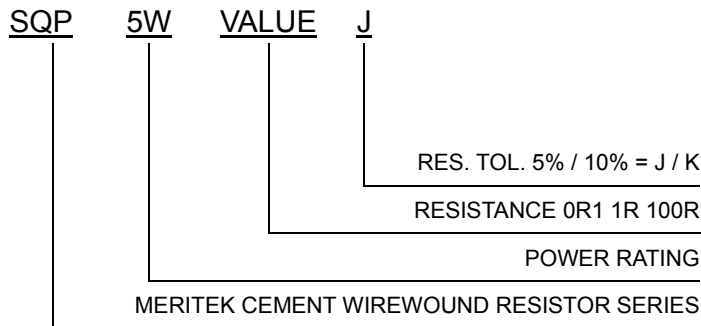
MERITEK

## FEATURES

- Heat and flame resistant
- Complete insulation characteristics are suitable for printed circuit board applications.
- For high resistance value, the winding core will be replaced by metal oxide film core (RS type).
- Non-inductive type is available upon request.
- Tolerance:  $\pm 5\%$   $\pm 10\%$ .



## PART NUMBERING SYSTEM



(Bulk only)

## SPECIFICATIONS

SQP	Dimension (mm)					Value Range		Max Working Voltage
	L	H	D	D1	d	Wirewound	Metal Oxide	
2W	18.0	32.0 $\pm 3$	7.0	7.0	0.65 $\pm$ 0.03	0.1 $\Omega$ ~50 $\Omega$	51 $\Omega$ ~20K $\Omega$	150V
3W	22.0	32.0 $\pm 3$	8.0	8.0	0.8 $\pm$ 0.03	0.1 $\Omega$ ~50 $\Omega$	51 $\Omega$ ~33K $\Omega$	300V
5W	22.0	32.0 $\pm 3$	9.5	9.0	0.8 $\pm$ 0.03	0.1 $\Omega$ ~50 $\Omega$	51 $\Omega$ ~50K $\Omega$	350V
7W	35.0	32.0 $\pm 3$	9.5	9.0	0.8 $\pm$ 0.03	0.1 $\Omega$ ~100 $\Omega$	101 $\Omega$ ~50K $\Omega$	500V
10W	48.0	32.0 $\pm 3$	9.5	9.0	0.8 $\pm$ 0.03	0.1 $\Omega$ ~100 $\Omega$	101 $\Omega$ ~50K $\Omega$	500V
15W	48.0	32.0 $\pm 3$	12.5	12.0	0.8 $\pm$ 0.03	0.1 $\Omega$ ~100 $\Omega$	101 $\Omega$ ~150K $\Omega$	500V
20W	60.0	32.0 $\pm 3$	14.0	13.0	0.8 $\pm$ 0.03	0.1 $\Omega$ ~100 $\Omega$	101 $\Omega$ ~150K $\Omega$	500V
25W	60.0	32.0 $\pm 3$	14.0	13.0	0.8 $\pm$ 0.03	0.1 $\Omega$ ~100 $\Omega$	101 $\Omega$ ~150K $\Omega$	1000V
30W	77.0	32.0 $\pm 3$	18.0	17.0	0.8 $\pm$ 0.03	0.1 $\Omega$ ~500 $\Omega$		1000V
40W	90.0	32.0 $\pm 3$	19.0	18.0	0.8 $\pm$ 0.03	0.1 $\Omega$ ~500 $\Omega$		1000V

1. Resistance ranges listed above are standard parts, resistance below or over this range is available upon request.
2. Non-inductive type available up to 20 ohms.

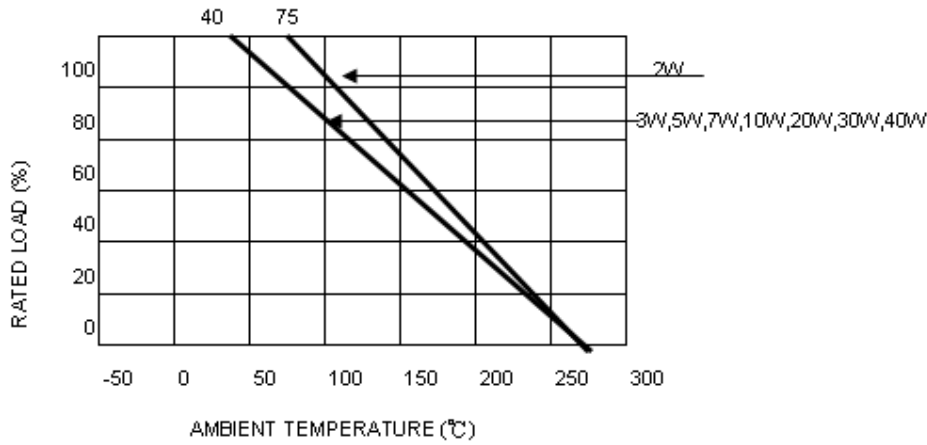
# Cement Wirewound Resistors (Axial Type)



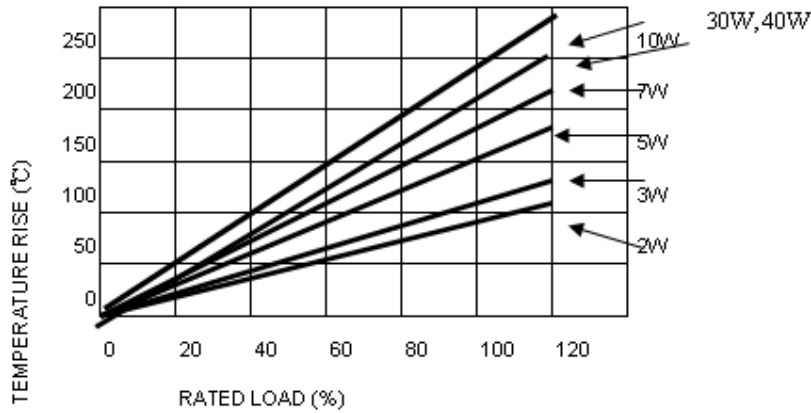
SQP Series

MERITEK

## DERATING CURVE



## TEMPERATURE RISE



## PERFORMANCE

Temperature Coefficient	±300 PPM/°C
Insulation Resistance	> 100MΩ
Load Life (1,000hours)	±5%+0.05Ω
Short-Time Overload	±2%+0.05Ω
Dielectric Withstanding Volt	±2%+0.05Ω
Moisture Resistance	±5%+0.05Ω
Shock And Vibration	±1%+0.05Ω
Effect Of Soldering	±2%+0.05Ω

# Cement Wirewound Resistors (Axial Type)



SQT Series

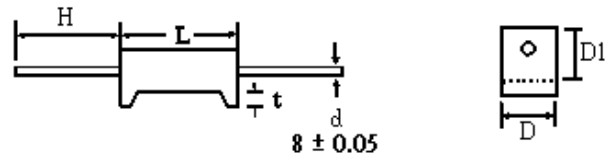
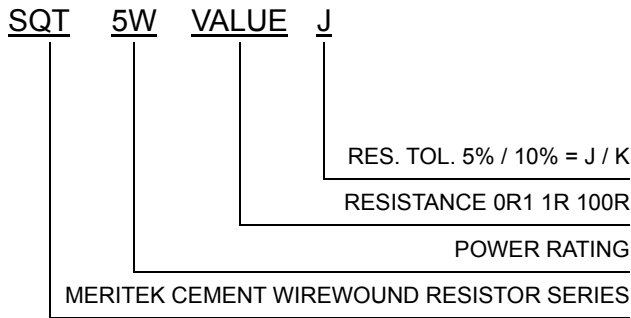
MERITEK

## FEATURES

- Heat and flame resistant
- Complete insulation characteristics are suitable for printed circuit board applications.
- For high resistance value, the winding core will be replaced by metal oxide film core (RS type).
- Non-inductive types are available on request.
- Tolerance:  $\pm 5\%$   $\pm 10\%$ .



## PART NUMBERING SYSTEM



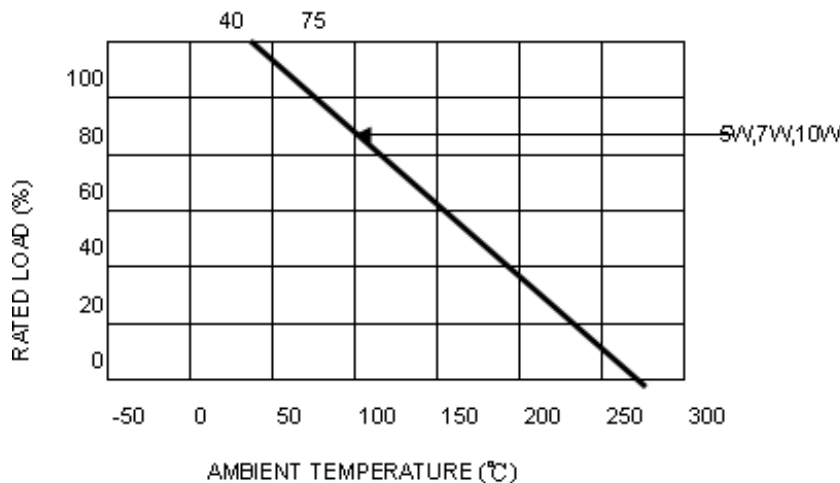
(Bulk only)

## SPECIFICATIONS

SQT	DIMENSION(mm)					Value Range		Max working voltage
	L	H	D	D1	t	Wire wound	Metal oxide	
5W	22.0	27.0 ±3	10.0	9.0	1.5	0.1Ω~50Ω	51Ω~50KΩ	350V
7W	35.0	27.0 ±3	10.0	9.0	3.0	0.1Ω~100Ω	101Ω~47KΩ	500V
10W	48.0	27.0 ±3	10.0	9.0	3.0	0.1Ω~100Ω	101Ω~47KΩ	750V
15W	48.0	27.0 ±3	12.5	12.5	3.0	0.1Ω~100Ω	101Ω~47KΩ	750V
20W	60.0	27.0 ±3	13.0	14.0	5.0	0.1Ω~100Ω	101Ω~47KΩ	750V
25W	60.0	27.0 ±3	13.0	14.0	5.0	0.1Ω~100Ω	101Ω~47KΩ	750V

1. Resistance ranges listed above are standard parts, resistance below or over this range is available upon request.
2. Non-inductive type available up to 50 ohms.

## DERATING CURVE



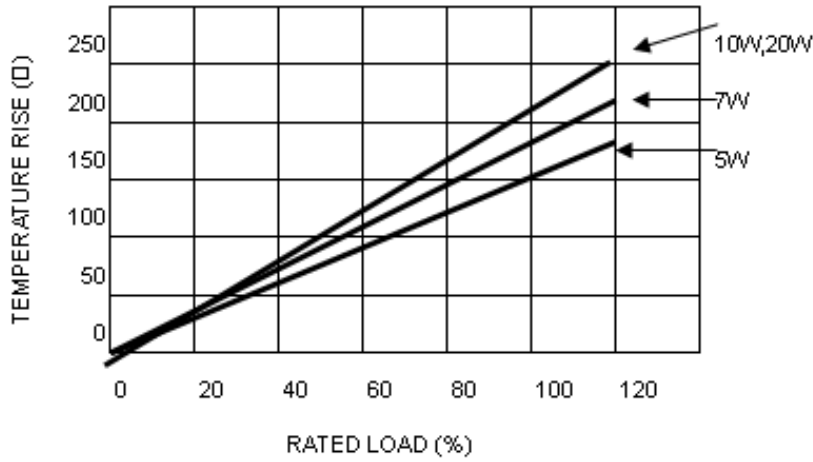
# Cement Wirewound Resistors (Axial Type)



SQT Series

MERITEK

## TEMPERATURE RISE



## PERFORMANCE

Temperature Coefficient	±300 PPM/°C
Insulation Resistance	> 100MΩ
Load Life (1,000hours)	±5%+0.05Ω
Short-Time Overload	±2%+0.05Ω
Dielectric Withstanding Volt	±2%+0.05Ω
Moisture Resistance	±5%+0.05Ω
Shock And Vibration	±1%+0.05Ω
Effect Of Soldering	±2%+0.05Ω