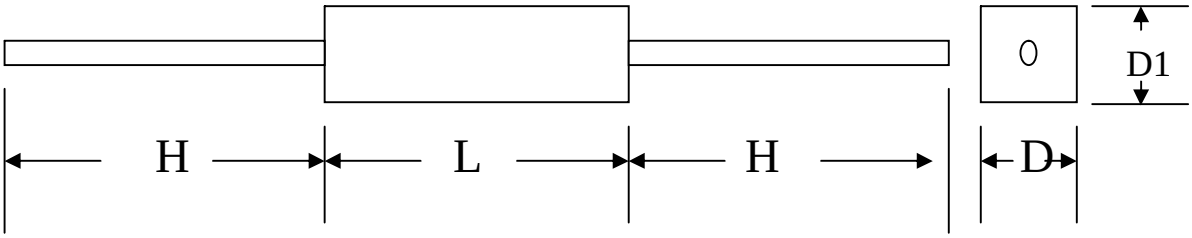
Cement Resistor

SQP (STANDARD TYPE)

FEATURE

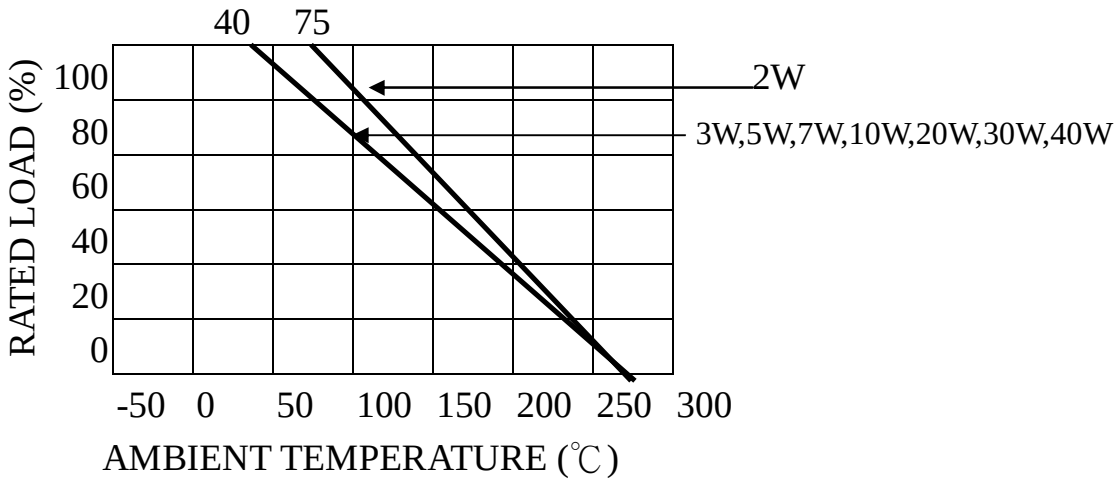
- HEAT AND FLAME RESISTANCE
- COMPLEATELY INSULATANCE CHARACTER SUITABLE FOR PRINTED CIRCUIT BORD.
- FOR HIGH REISTANCE VALUE, THE WINDING CORE WILL BE REPLACED BY METAL OXIDE FILM CUTTING CORE (RS TYPE).
- NON-INDUCTIVE TYPE ARE AVAILABLE ON REQUEST.
- TOLERENCE : ±5% ±10%.



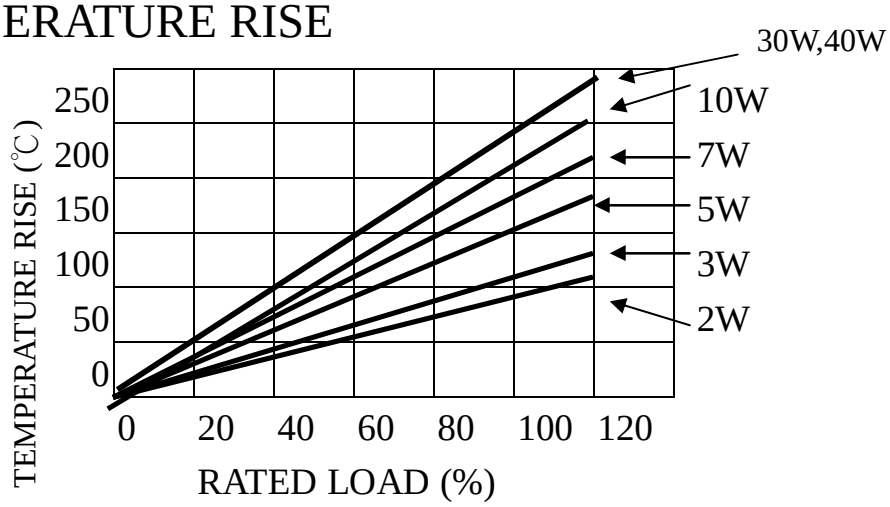
SQP	DIMENSION(mm)					Value Range		Max working voltage
	L	H	D	D1	d	**Wire wound**	Metal oxide	
2W	18.0	32.0 ±3	7.0	7.0	0.65±0.03	0.1Ω~50Ω	50Ω~20K	150V
3W	22.0	32.0 ±3	8.0	8.0	0.8±0.03	0.1Ω~50Ω	50Ω~33K	300V
4W	20.0	32.0 ±3	6.5	6.5	0.8±0.03	0.02Ω~50Ω	50Ω~33K	300V
5W	22.0	32.0 ±3	9.5	9.0	0.8±0.03	0.1Ω~50Ω	50Ω~50K	350V
7W	35.0	32.0 ±3	9.5	9.0	0.8±0.03	0.1Ω~100Ω	100Ω~50K	500V
10W	48.0	32.0 ±3	9.5	9.0	0.8±0.03	0.1Ω~100Ω	100Ω~50K	500V
15W	48.0	32.0 ±3	12.5	12.0	0.8±0.03	0.1Ω~100Ω	100Ω~150K	500V
20W	60.0	32.0 ±3	14.0	13.0	0.8±0.03	0.1Ω~100Ω	100Ω~150K	500V
25W	60.0	32.0 ±3	14.0	13.0	0.8±0.03	0.1Ω~100Ω	100Ω~150K	1000V
30W	77.0	32.0 ±3	18.0	17.0	0.8±0.03	0.1Ω~500Ω	100Ω~150K	1000V
40W	90.0	32.0 ±3	19.0	18.0	0.8±0.03	0.1Ω~500Ω	100Ω~150K	1000V
50W	90.0	32.0 ±3	19.0	18.0	0.8±0.03	0.1Ω~500Ω	100Ω~150K	1000V

1. Resistance Range for standard resistance，below or over this resistance on request.
2. Non-inductive type up 20Ω only.

DERATING CURVE



TEMPERATURE RISE



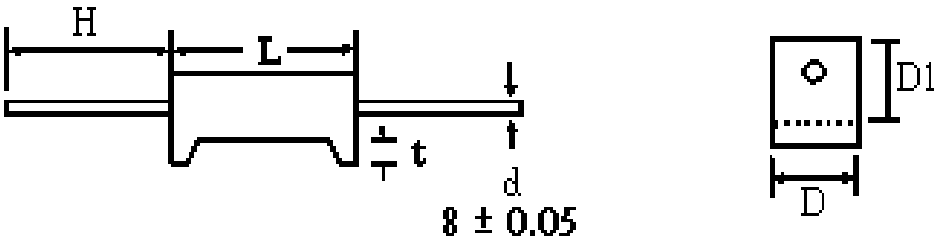
PERFORMANCE

TEMPERATURE COEFFICENT	±300 PPM/℃
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

SQT (STANDARD **TYPE)**

FEATURE

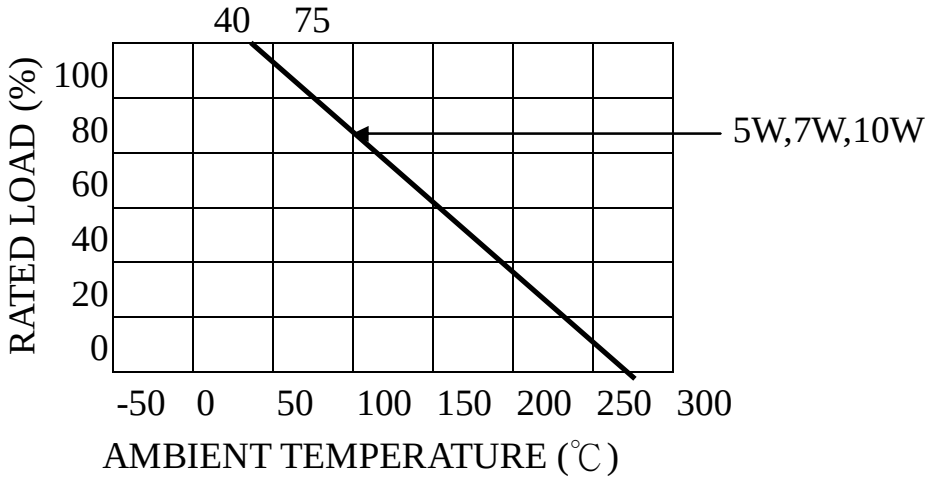
- HEAT AND FLAME RESISTANCE
- COMPLEATELY INSULATANCE CHARACTER SUITABLE FOR PRINTED CIRCUIT BORD.
- FOR HIGH REISTANCE VALUE, THE WINDING CORE WILL BE REPLACED BY METAL OXIDE FILM CUTTING CORE (RS TYPE).
- NON-INDUCTIVE TYPE ARE AVAILABLE ON REQUEST.
- TOLERENCE : ±5% ±10%.



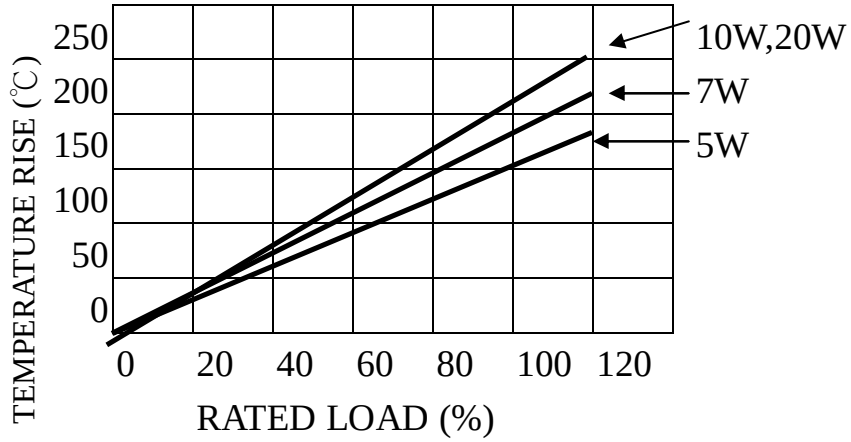
SQT	DIMENSION(mm)					Value Range		Max working voltage
	L	H	D	D1	t	Wire wound	Metal oxide	
5W	22.0	27.0 ±3	10.0	9.0	1.5	0.1Ω~50Ω	50Ω~50K	350V
7W	35.0	27.0 ±3	10.0	9.0	3.0	0.1Ω~100Ω	100Ω~47K	500V
10W	48.0	27.0 ±3	10.0	9.0	3.0	0.1Ω~100Ω	100Ω~47K	750V
15W	48.0	27.0 ±3	12.5	12.5	3.0	0.1Ω~100Ω	100Ω~47K	750V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

1. Resistance Range for standard resistance，below or over this resistance on request.
2. Non-inductive type up 50Ω only.

DERATING CURVE



TEMPERATURE RISE



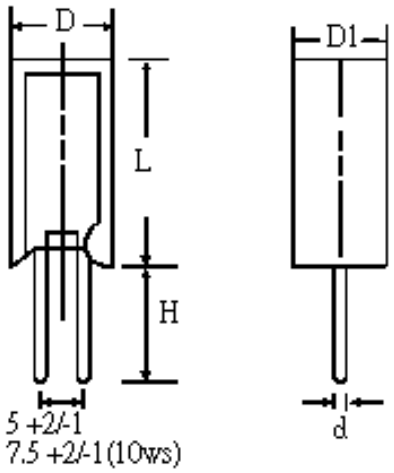
PERFORMANCE

TEMPERATURE COEFFICENT	±300 PPM/℃
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

SQM (RADIL TYPE)

FEATURE

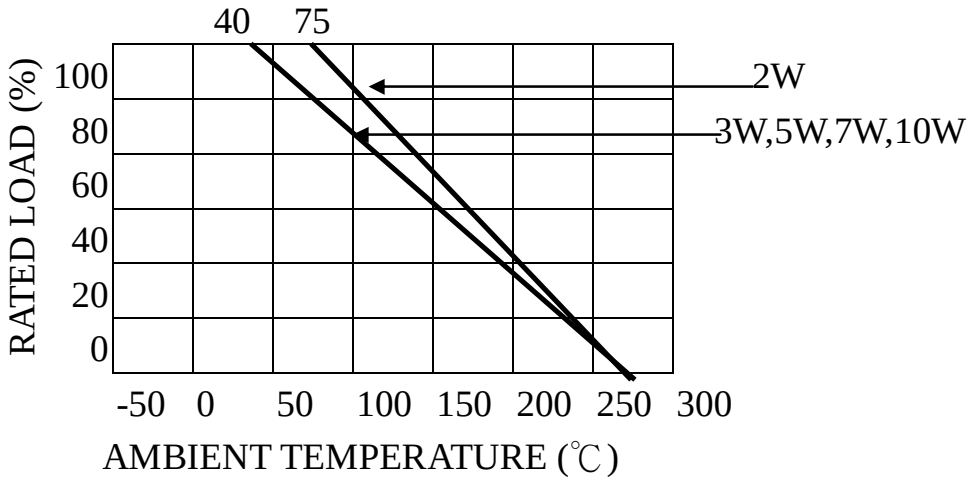
- HEAT AND FLAME RESISTANCE
- COMPLEATELY INSULATANCE CHARACTER SUITABLE FOR PRINTED CIRCUIT BORD.
- FOR HIGH REISTANCE VALUE, THE WINDING CORE WILL BE REPLACED BY METAL OXIDE FILM CUTTING CORE (RS TYPE).
- NON-INDUCTIVE TYPE ARE AVAILABLE ON REQUEST.
- TOLERENCE : ±5% ±10%.



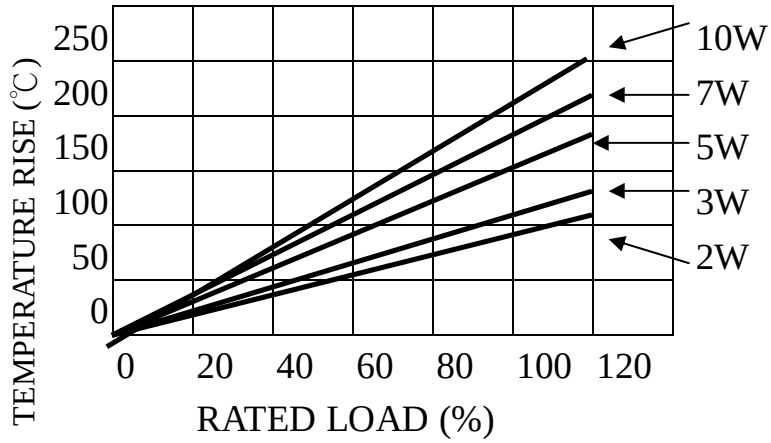
SQM	DIMENSION(mm)					Value Range		Max working voltage
	L	H	D	D1	d	Wire wound	Metal oxide	
2W	20.0	4~15 ±1	11.5	7.5	0.65±0.03	0.01Ω~50Ω	50Ω~50K	150V
3W	25.0	4~15 ±1	12.0	8.5	0.8±0.03	0.01Ω~50Ω	50Ω~50K	300V
5W	25.0	4~15 ±1	13.0	9.0	0.8±0.03	001Ω~50Ω	50Ω~50K	350V
7W	39.0	4~15 ±1	13.0	9.0	0.8±0.03	0.01Ω~100Ω	100Ω~47K	500V
10W	51.0	4~15 ±1	13.0	9.0	0.8±0.03	0.01Ω~100Ω	100Ω~47K	750V
10WS	35.0	4~15 ±1	16.0	12.0	0.8±0.03	0.01Ω~100Ω	100Ω~47K	750V

1. Resistance Range for standard resistance，below or over this resistance on request.
2. Non-inductive type up 50Ω only.

DERATING CURVE



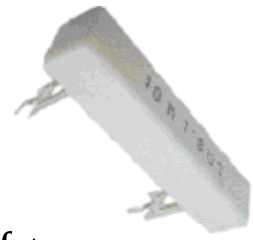
TEMPERATURE RISE



PERFORMANCE

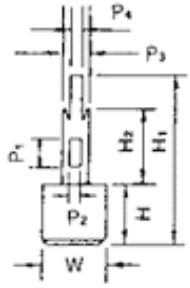
TEMPERATURE COEFFICENT	±300 PPM/℃
INSULATION RESISTANCE	＞100MΩ
LOAD LIFE (1,000HOURS)	±5%+0.05Ω
SHORT-TIME OVERLOAD	±2%+0.05Ω
DIELECTRIC WITHSTANDING VOLT	±2%+0.05Ω
MOISTURE RESISTANCE	±5%+0.05Ω
SHOCK AND VIBRATION	±1%+0.05Ω
EFFECT OF SOLDERING	±2%+0.05Ω

SQZ (RADIL TYPE)



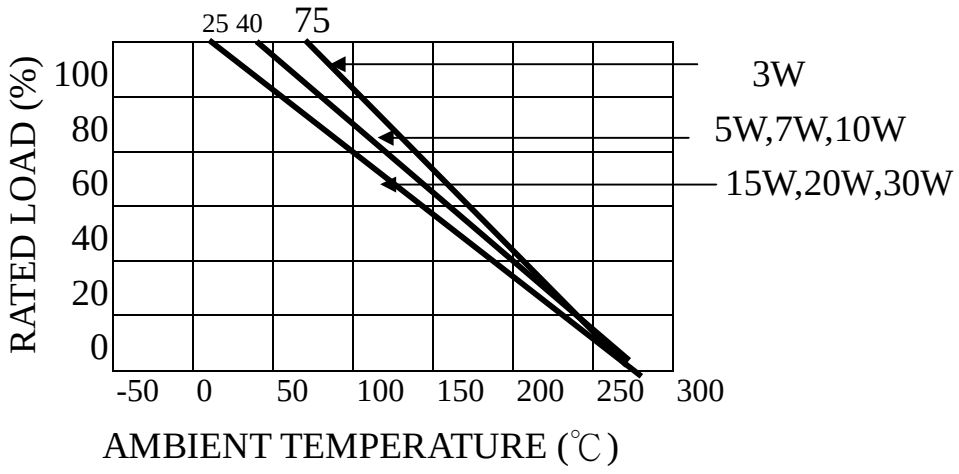
FEATURE

- Space saving stand-off type
- Tolerance: 5%
- Completely unflamable

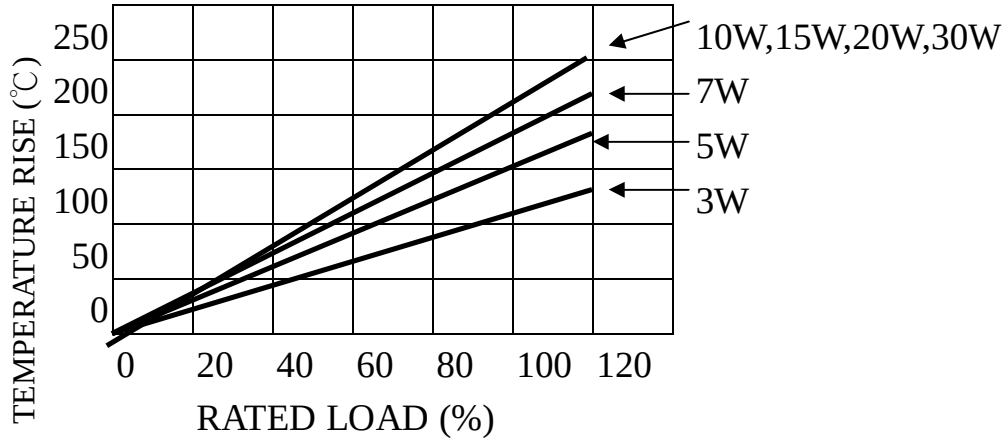


Description	W	RESISTANCE RANGE Ω		DIMENSIONS(mm)									
		SQZ	MO + SQZ	L	H	W	S	H1	H2	P1	P2	P3	P4
SQZ-5	5	0.1 ~ 100 Ω	100 Ω ~ 50K Ω	27	9.5	9.5	15	24	9.5	4	2	5	1.4
SQZ-7	7	0.1~ 500 Ω	500 Ω ~ 50K Ω	35	9.5	9.5	22.5	24	9.5	4	2	5	1.4
SQZ-10	10	0.2 ~ 500 Ω	500 Ω ~ 50K Ω	48	9.5	9.5	32.5	24	9.5	4	2	5	1.4
SQZ-15	15	0.5~ 500 Ω	500 Ω ~ 150K Ω	48	12.5	12.5	32.5	34.5	15	7	6	10	2.7
SQZ-20	20	1~ 50 Ω	500 Ω ~ 150K Ω	63.5	12.5	12.5	42.5	34.5	15	7	6	10	2.7
SQZ-3S	3	0.1~ 50 Ω	50 Ω ~ 33K Ω	22	8	8	10	23	12	4	2	5	1.4
SQZ-5S	5	0.1~ 50 Ω	50 Ω ~ 50K Ω	22	9.5	9.5	10	24	12	4	2	5	1.4

DERATING CURVE



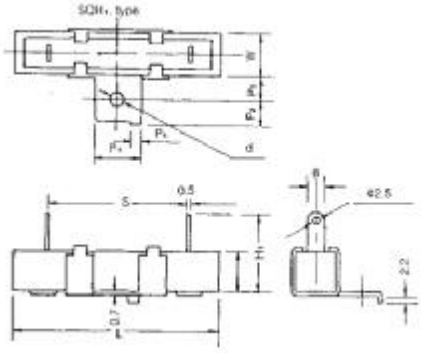
TEMPERATURE RISE



PERFORMANCE

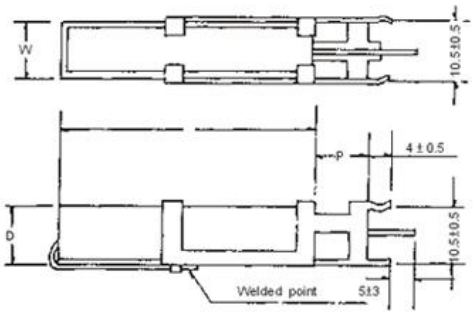
TEMPERATURE COEFFICENT	±300 PPM/℃
INSULATION RESISTANCE	＞100MΩ
LOAD LIFE (1,000HOURS)	±5%+0.05Ω
SHORT-TIME OVERLOAD	±2%+0.05Ω
DIELECTRIC WITHSTANDING VOLT	±2%+0.05Ω
MOISTURE RESISTANCE	±5%+0.05Ω
SHOCK AND VIBRATION	±1%+0.05Ω
EFFECT OF SOLDERING	±2%+0.05Ω

SQHG



Type	W	RESISTANCE RANGE Ω		DIMENSIONS(mm)									
		SQH	MO + SQH	L±2	H±1	W±1	S±1	H±1	P1±1	P2±1	P3±1	P4±1	d
SQH-10	10	0.5 Ω ~ 100 Ω	100 Ω ~ 150K Ω	48.0	10.0	10.0	33	21	12	6	8.0	3.0	4
SQH-15	15	1 Ω ~ 100 Ω	100 Ω ~ 150K Ω	48.0	12.0	12.0	33	21	12	6	8.0	3.0	4
SQH-20	20	1 Ω ~100 Ω	100 Ω ~ 150K Ω	63.7	12.0	12.0	42	24	12	6	8.0	3.0	4
SQH-30	30	1 Ω ~ 100 Ω	100 Ω ~ 150K Ω	75.0	19.0	18.0	56	30	17	8	10.0	3.0	4
SQH-40	40	1 Ω ~ 100 Ω	100 Ω ~ 150K Ω	90.0	19.0	18.0	68	30	17	8	10.0	3.0	4

SQS



Style	DIMENSIONS(mm ± 1mm)				RESISTANCE RANGE Ω	
	W	D	L	P	Wirewound	RS
SQS-5	10	9	22	5	0.1 Ω ~ 50 Ω	50 Ω ~ 50K Ω
SQS-7	10	9	35	10	0.1 Ω ~ 100 Ω	100 Ω ~ 50K Ω
SQS-10	10	9	48	10	0.1 Ω ~ 100 Ω	100 Ω ~ 50K Ω
SQS-20	60	14	60	10	0.1 Ω ~ 100 Ω	100 Ω ~ 50K Ω

PART NUMBER: