

METAL CLAD WIRE-WOUND RESISTORS (AXIAL LEAD TYPE) SHE / SHE-N SHL / SHL-N

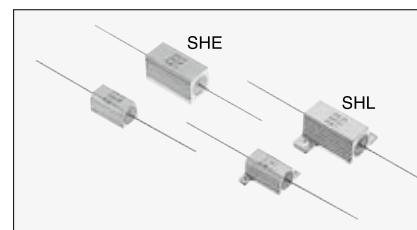
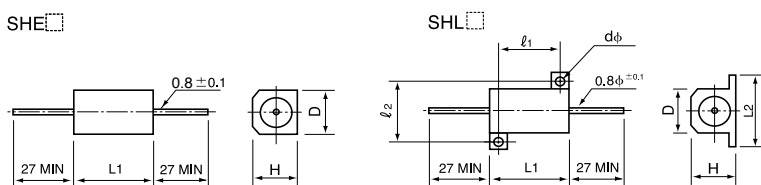
Metal clad wire-wound resistor sealed with heat-resistant silicone cement

Features

- Studded type available
- With axial leads

FIG.1

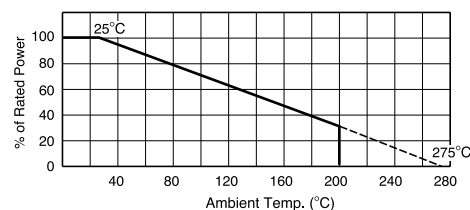
Type	Type	Wattage Rating (W)		Resistance Range (Ω)		MAX Working (V)		Dielectric Strength (V)	Resistance Tolerance (%)	Temp. Coefficient (ppm/°C) -55°C~+25°C~+125°C
		Chassis Mounted	Free Air	Inductive	Non-Inductive	Inductive	Non-Inductive			
SHE5	SHL5	5	3	0.1~1.8K	0.2~370	120	70	AC500	±0.5(D) R≥10Ω ±1 (F) R≥0.1Ω	R ≥10Ω ±30ppm/°C R < 10Ω ±50ppm/°C R < 1 Ω ±90ppm/°C
SHE10	SHL10	10	6	0.1~3.4K	0.2~750	220	120	AC1000	±2 (G)	
SHE25	SHL25	20	8	0.3~8.1K	0.6~1.7K	800	350	AC1000	±3 (H)	
SHE50	SHL50	30	10	0.5~31K	1.0~5.5K	1,200	550	AC1000	±5 (J) ±10 (K)	



The real is marked with laser.(picture: ink print)

Type	Type	Dimensions (mm)							Weight (g)
		L1±1	L2±0.8	ℓ1±0.8	ℓ2±0.8	D±1	H±0.8	d±0.3	
SHE 5	SHL 5	15.3	16.4	11.3	12.5	8.5	8	2.3	4
SHE10	SHL10	19	20	14.3	15.9	10.8	10	2.4	8
SHE25	SHL25	27	28	18.3	19.8	13.5	14	3.2	17
SHE50	SHL50	49.2	29.2	39.7	21.4	15.1	16	3.2	35

Ambient Temp. Derating Curve

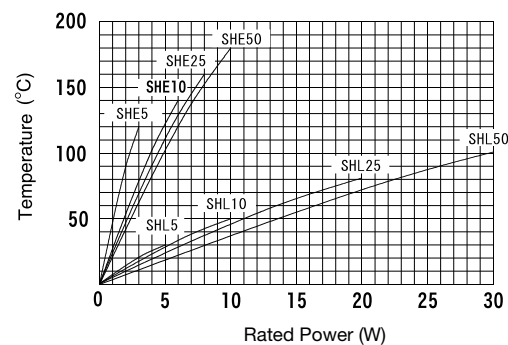


Performance

Parameters	Test Condition	Specification
Terminal Strength	Pull Test (30 sec MIN) SHE5 SHL5, 10N, SHE10 SHL10, 22N, SHE25 SHL25 SHE50 SHL50, 44N	±(0.2%+0.05Ω)
Heat Resistance	275°C 2Hr	±(0.5%+0.05Ω)
Dielectric Strength	FIG.1 1min	±(0.2%+0.05Ω)
Insulation Resistance	Under the same test condition of Dielectric Strength, load DC500V and measure the Insulation R.	1000MΩ MIN
Short Time Over Load	5×Wattage Rating 5sec	±(0.5%+0.05Ω)
Moisture Resistance	Temp. 40°C Moisture 95% 1/10×Wattage Rating (1.5Hr ON 0.5Hr OFF) Repeat 500Hr	±(0.5%+0.05Ω)
Load Life	Load Rating (chassis mounted) 1.5Hr ON 0.5Hr OFF Repeat 1000Hr	±(1%+0.05Ω)
Vibration	10Hz - 55Hz - 10Hz(1 min) Horizontal and vertical direction for 2 Hr each	±(0.2%+0.05Ω)

Operating Temp -55°C~+200°C

Surface Temp. Versus Power Load



Test Chassis Dimensions (mm)

- SHL5 152×102×51×1t
- SHL10 152×102×51×1t
- SHL25 178×127×51×1t
- SHL50 178×127×51×1t

Precautions

Not suitable for cleaning with organic solvents.
 If you need a wash-resistant product, please contact our sales department.

How to order

SHL10 **1Ω** **F**
 Type Resistance Tolerance

- Standard Resistance E-24 Series J (±5%)
- Type: SHL□N for Non-inductive wire winding
- Order for a single piece accepted for any resistance value within the standard resistance range



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