

表面実装巻線形固定抵抗器

SMD Wire Wound Chip Resistors

S-1, S-2, S-3, S-4, S-5



特長用途

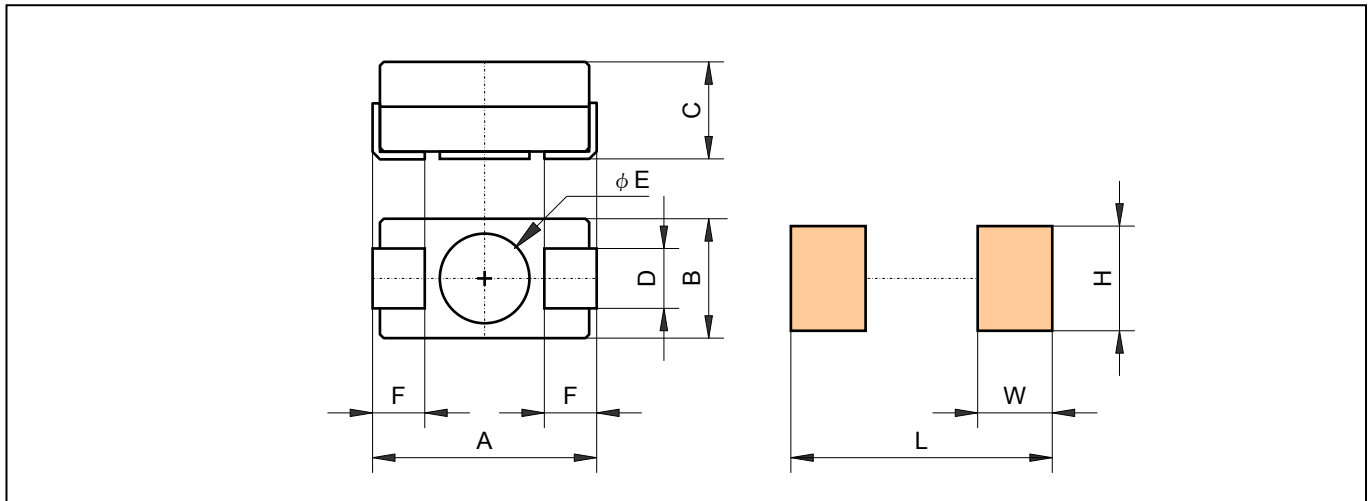
- 表面実装精密巻線抵抗器
- 広域の抵抗値範囲、0.01Ωから51kΩ
- 許容差 $\pm 0.01\%$ まで、TCR20ppm/K
- 最高使用温度 275°C
- 強力なサージ耐性
- 無誘導巻、誘導巻、対応
- 充電機器電流監視、DC/DCコンバータ、DC/ACコンバータ、IPM、ACサーボモータ駆動機器等。

Features and Applications

- Molding SMD precision wire wound chip resistor.
- Wide resistance range of 0.01 to 50kohm..
- Tolerance, to $\pm 0.01\%$.
- High temperature rating up to 275 deg C.
- Low temperature coefficient to ± 20 ppm/K.
- Superior surge handling capability
- Non-inductive winding are available.
- DC-DC conversion modules, DC-AC conversion, servo-motor control electronics, intelligent power modules and power supplies.

外形寸法

Dimensions



Type	Dimensions						Stand-off		Foot print		
	A ± 0.4 mm	B ± 0.4 mm	C ± 0.4 mm	D ± 0.4 mm	F ± 0.4 mm	Lead thickness ± 0.05 mm	E ± 0.4 mm	Height ± 0.15 mm	W ± 0.4 mm	H ± 0.4 mm	L ± 0.4 mm
S-1	4.8	3.3	2.8	1.5	1.0	0.15	2.5	0.13	1.6	2.5	6.4
S-2	6.6	3.9	3.2	1.8	1.8	0.15	3.0	0.13	2.4	2.8	8.6
S-4	11.4	6.4	4.6	3.0	2.5	0.16	4.8	0.13	3.9	6.8	13.7
S-3	15.9	6.9	6.4	3.0	3.4	0.15	3.8	0.13	5.1	3.8	17.8
S-5	20.8	7.5	7.7	3.8	4.8	0.15	6.2	0.13	5.6	6.4	22.9

形名称

Ordering Information

S-4	---	100 Ohms	F	Z01	Note
S-1	TCR If not standard	Any value in Resistance range	± 0.01 (T) ± 0.05 (A) ± 0.1 (B) ± 1.0 (F) ± 5.0 (J)	Z01	Tape reel small quantity
S-2					
S-4					
S-3					
S-5					

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仕様 Specifications

Type	Power rating Watts @ 70°C	Resistance Range (Ω)	Maximum Working Voltage
S-1	0.5	0.01 - 400	$\sqrt{P \times R}$ (V)
S-2	1.0	0.005 - 3k	$\sqrt{P \times R}$ (V)
S-4	2.0	0.01 - 15k	$\sqrt{P \times R}$ (V)
S-3	3.0	0.01 - 25k	$\sqrt{P \times R}$ (V)
S-5	4.0	0.01 - 50k	$\sqrt{P \times R}$ (V)

仕様 Specifications

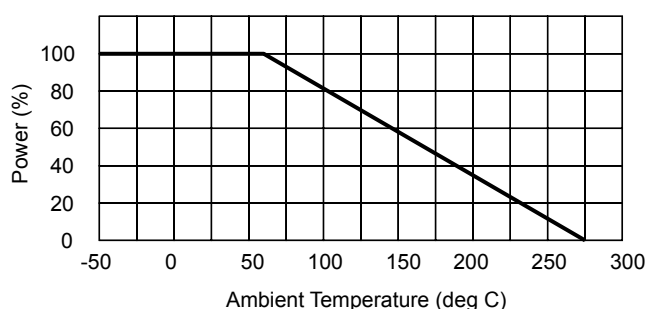
Specifications	Value	Conditions
Tolerances	+/-0.01% - +/-5.0%	---
Temperature Coefficient	>10ohms +/-20ppm/K, 1ohm-10ohm 50ppm/K	---
Temperature Range	-55 deg C - +275 deg C	---
Dielectric Strength	1000VAC	---
Insulation Resistance	> 1Gohms	---
Reel Tape Width (mm)	S1,12mm, S-2,16mm, S-3, 24mm, S-4,24mm, S-5,32mm	---

信頼性 Environmental Performance

Specifications	Value (ΔMax.)	Conditions
Dielectric	+/-0.5%	MIL-STD-202
Load Life	+/-1.0%	MIL-STD-202
Strage	+/-0.5%	MIL-STD-202
Moisture resistance	+/-1.0%	MIL-STD-202
Thermal Shock	+/-0.5%	MIL-STD-202
5 times 5 seconds Overload	+/-0.5%	MIL-STD-202

負荷軽減曲線

Power Derating



包装仕様

Packaging

	Standard Package Quantities				
	S-1	S-2	S-4	S-3	S-5
Small Reel	650	600	250	125	180
Large Reel	3000	2000	1000	500	500

Note:

耐湿性包装については、この抵抗器は、1年間室内環境保管状態でMSLレベル2です。したがって、吸湿インジケータカードとともに、耐湿性包装(MBB)で包装してあります。また MBB には、MSL の識別表記がされています。

この抵抗器の生産国は、米国です。

Surface mount wire wound resistors have a Moisture Sensitivity Level (MSL) rating of 2 (1 year floor life).

Surface mount parts are packaged in a Moisture Barrier Bag (MBB) with a Humidity Indicator Card and desiccant to monitor and protect the parts from humidity. The MBB is marked with a Moisture Sensitive Identification Label.

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