

20W, 50W メタルクラッド巻線抵抗器

20W, 50W Wire Wound Resistors

RH25C, RH25CN, RH50C, RH50CN

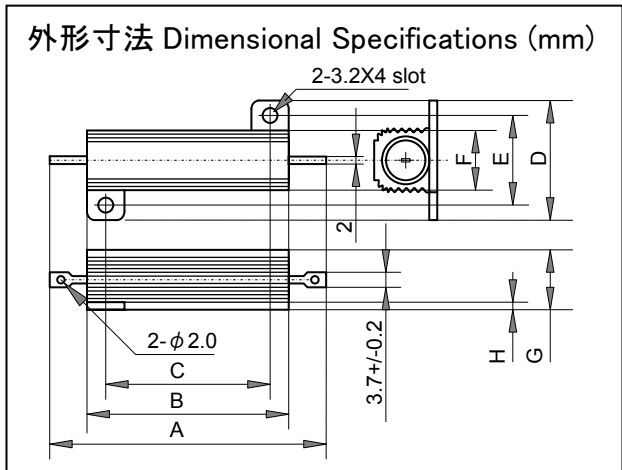


特長 用途

誘導巻 (RH25C, RH50C) 無誘導巻 (RH25CN, RH50CN) アルミケース封止の堅牢な巻線形固定抵抗器。完全溶接接合の内部構造、最高使用温度250℃耐熱セメントを充填した長期安定性に優れた巻線形固定抵抗器。M3ねじのシャーシ取付け形で、優れた放熱特性と耐振性機器設計ができます。電源回路突入防止抵抗、モータの回生抵抗、制動抵抗、ダンピング抵抗、インバータのゲート抵抗、スナバ抵抗。

Features and Applications

Inductive (RH25C, RH50C), non-inductive (RH25CN, RH50CN) aluminum clad housed wire-wound resistors. Cement molded resistors construction gives complete environmental protection and 250 deg C high temperature operation.. Complete welding terminal construction. Braking resistor and dumping resistor of the motor control, rush current protection, gate resistor, snubber resistor.



(mm)	RH25C, RH25CN	RH50C, RH50CN
A	49.4±0.2	70.6±0.2
B	27.1+0.15-0.10	49.3+0.15-0.10
C	18.3±0.2	39.7±0.2
D	29.6±0.2	29.6±0.2
E	20.6±0.2	20.6±0.2
F	15.6±0.2	15.6±0.2
G	16±0.2	16±0.2
H	2.2±0.2	2.2±0.2
Weight	16.5gr	35.0gr

仕様 Specifications

Type	Rated Watt Heat Sink (W)	Rated Watt Free Air (W)	Resistance (ohm)	TC Lower Limit (±ppm/°C)				Tolerance (%)
				200ppm	100ppm	50ppm	30ppm	
RH25C	20	8	0.022-25K	0.022-0.09	0.1-0.976	1-19.6	20-25K	±0.1(B), ±0.5(D), ±1.0(F), ±5.0(J)
RH25CN	20	8	0.1-10K	-	0.1-0.976	1-19.6	20-10K	
RH50C	30, 50 (1)	10	0.048-50K	0.048-0.09	0.1-0.976	1-19.6	20-50K	
RH50CN	30, 50 (1)	10	0.2-20K	-	0.2-0.976	1-19.6	20-20K	

性能 Performance

	Specifications	Conditions
短時間過負荷	Short time overload	±0.5% 5 times rated power, 5 seconds
熱衝撃	Heat shock	±0.5% Heating rated power and -55 deg C, 10 cycles
絶縁耐電圧	Dielectric strength	±0.2% 2000VAC, leakage current 2mA
絶縁抵抗	Insulation resistance	10Gohm Dry condition
定格負荷寿命	Load life	±1.0% Rated power 90 min. ON, 30min. OFF, 1000 hours
使用温度範囲	Operating temp. range	-55~+250 deg C
保存温度範囲	Storage temp. range	-55~+250 deg C

形名呼称 Ordering Information

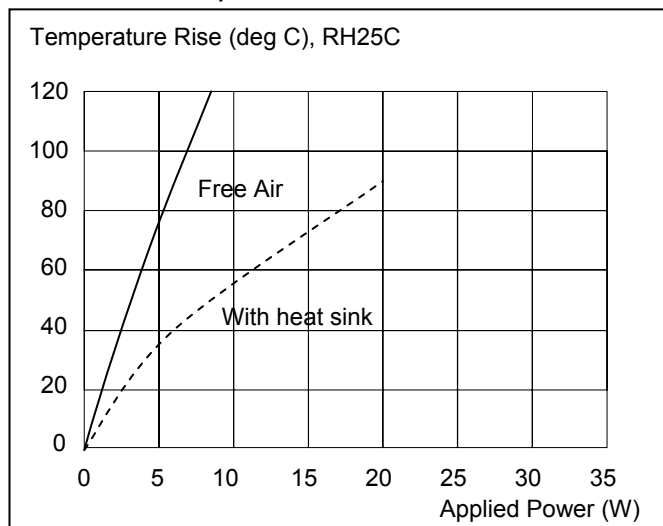
Model	Filling	Inductive / not	Resistance	Tolerance	Note
RH25	C	N	50ohm	F	
RH25	C (high temp.)	- (inductive)	any value	B (+/-0.1%)	
RH50		N (non inductive)	in above range	D (+/-0.5%)	
				F (+/-1.0%)	
				J (+/-5.0%)	

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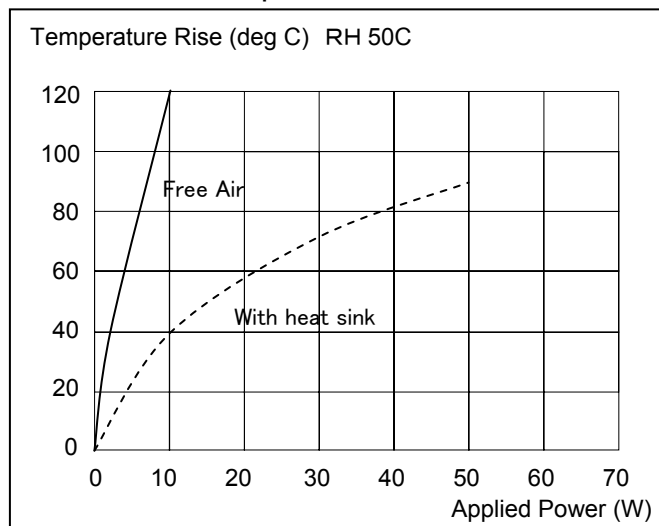
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RH25C, RH25CN, RH50C, RH50CN

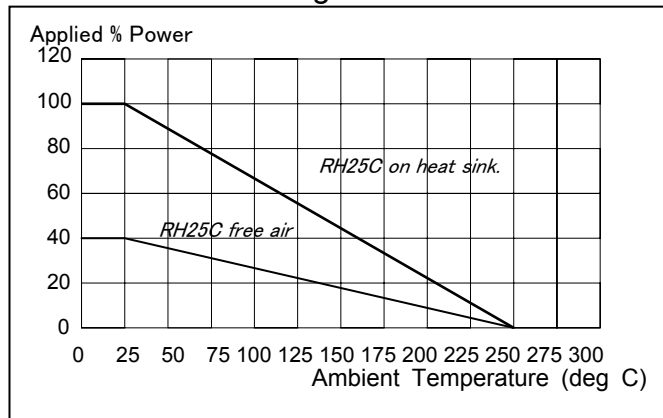
温度上昇 Temperature Rise. RH25C



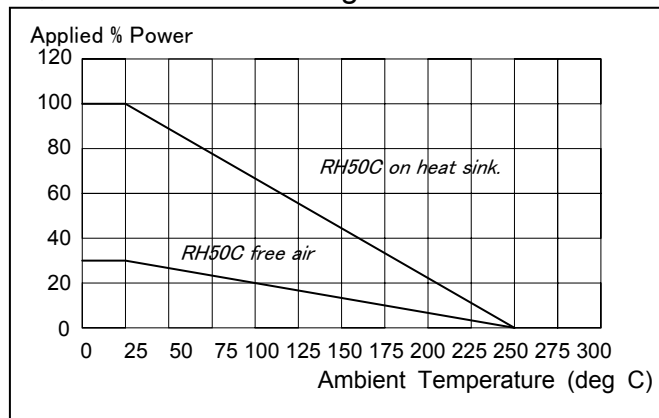
温度上昇 Temperature Rise. RH50C



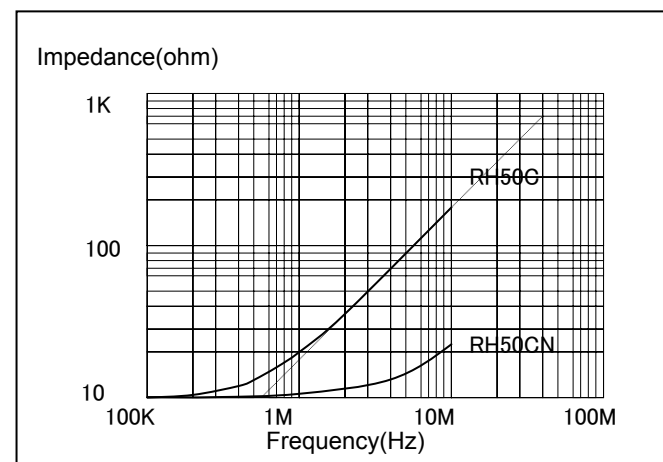
負荷軽減曲線 Derating. RH25C



負荷軽減曲線 Derating. RH50C



周波数特性 Frequency Characteristics. RH50C and RH50CN



注記事項:

- (1) RH50C 型抵抗器では、178x127x51x1mm の放熱器に取り付けたとき定格電力は 30W、305x305x2mm 相当の放熱器に取り付けたとき、定格電力は 50W になります。
- (2) メタルクラッド巻線形固定抵抗器、RH25、RH50 は、耐熱性能向上のため、RH25C、RH50C に代替し、中止品目としました。

Note:

- (1) 30W on heat sink (178x127x51x1mm), 50W on heat sink (305x305x2mm)
- (2) RH20 and RH50 were discontinued by reason of increasing high temperature performance, and replace to RH25C and RH50C.