COMPLIANT



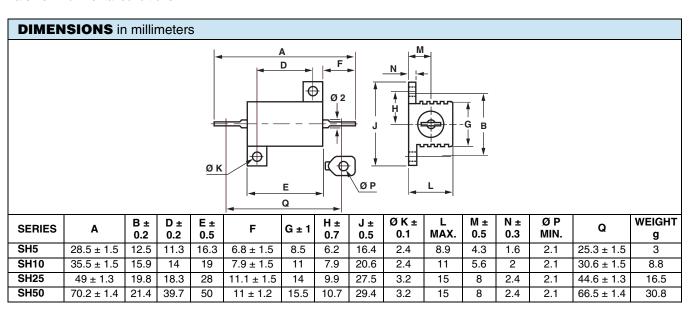
Heatsink Encased Wirewound Power Resistors Industrial Applications



FEATURES

- ≤ 50 W at + 25 °C
- High power characteristics
- · Utilize heatsink capability
- Good mechanical protection
- Industrialized product
- Compliant to RoHS directive 2002/95/EC

Built for high power dissipation applications, these components have very good overall characteristics for industrial use under harsh environmental conditions.



ELECTRICAL SPECIFICATIONS						
VISHAY SFERNICE SERIES			SH5	SH10	SH25	SH50
Power Rating		25 °C	10 W	12.5 W	25 W	50 W
Chassis mounted resistors: 413 cm ² for SH5 and SH10, 536 cm ² for SH25 and SH50	at)	70 °C	8 W	10 W	20 W	40 W
Unmounted resistors	at -	25 °C	4 W	6 W	9 W	12 W
		70 °C	3.2 W	4.8 W	7.2 W	9.6 W
Ohmic Value			0.1 Ω to 3.3 kΩ	0.1 Ω to 15 kΩ	0.1 Ω to 33 kΩ	0.1 Ω to 51 kΩ
Tolerance			± 5 %			
Rated Maximum Voltage			160 V	250 V	550 V	1285 V
Dielectric Strength V _{RMS}			800 V	1000 V	2000 V	2000 V
Insulation Resistance			$> 10^4 \mathrm{M}\Omega$ $> 3 \mathrm{x} 10^4 \mathrm{M}\Omega$		$0^4~{ m M}\Omega$	
Temperature Coefficient			\pm 50 ppm/°C $R_{\rm n}$ > 50 Ω			
Climatic Category			55/200/56			
Temperature Limits			- 55 °C + 200 °C			

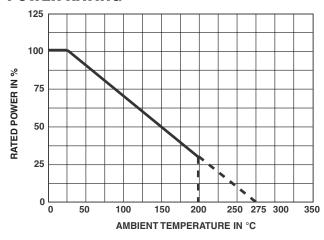
Vishay Sfernice

Heatsink Encased Wirewound Power Resistors **Industrial Applications**

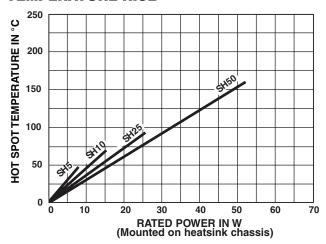


PERFORMANCE						
TESTS	CONDITIONS	TYPICAL DRIFTS				
Momentary Overload	5 <i>P</i> _n /5 s	± 0.5 % max.	+ 0.05 Ω			
Climatic Sequence	- 55 °C + 200 °C 5 cycles	± 1 % max.	+ 0.05 Ω			
Load Life	Nominal power P _n 1000 h at 25 °C	± 1 % max.	+ 0.05 Ω			

POWER RATING



TEMPERATURE RISE



MARKING

Vishay Sfernice trademark, model, style, nominal resistance (in Ω), tolerance (in %), manufacturing date.

PACKAGING
Bag of 10 units

ORDERING INFORMATION						
SH	25	10 k Ω	5 %	BA10	e1	
MODEL	STYLE	OHMIC VALUE	TOLERANCE	PACKAGING	LEAD (Pb)-FREE	

SAP PART NUMBERING GUIDELINES						
SH	25	10001	J	S03		
MODEL	STYLE	OHMIC VALUE	TOLERANCE	PACKAGING		

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Vishay

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