

Wirewound Resistors, Industrial Power, Tubular, Flat, Oval, Fixed, OVSF



FEATURES

 Terminal bands are spotwelded onto the insulated core and resistance-alloy wire is precisely wound onto the oval core



RoHS

- The wire is spotwelded to the terminal bands and then "locked" onto the core with a silicone or cement coating
- Available as fixed and adjustable resistors (for adjustable Oval Resistor see www.vishav.com/doc?31836)
- Wirewound
- Material categorization: For definitions of compliance please see <u>www.vishay.com/doc?99912</u>

STANDARD ELECTRICAL SPECIFICATIONS							
GLOBAL MODEL	HISTORICAL MODEL	POWER RATING W	RESISTANCE RANGE Ω	TOLERANCE (1) ± %	TERMINAL STYLE		
OVSF0030	16-20 Ω Oval	30	1.2 to 7.3K	5	Α		
OVSF0040	16-32 Ω Oval	40	1.7 to 27K	5	Α		
OVSF0055	16-56 Ω Oval	55	2.4 to 85K	5	A		
OVSF0070	16-76 Ω Oval	70	3.0 to 137K	5	A		
OVSF0095	16-96 Ω Oval	95	4.1 to 171K	5	Α		

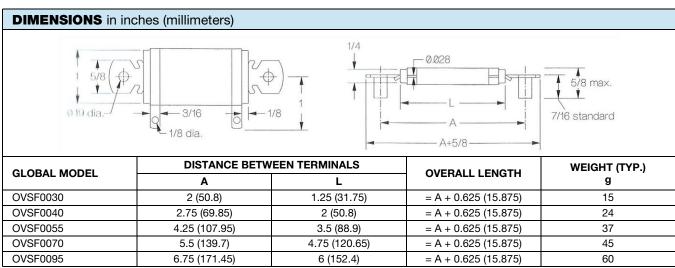
Notes

- Ratings are based on a temperature rise of 300 °C above an ambient of 40 °C.
- (1) Standard fixed resistance tolerance ± 5 %. Resistance values less than 1 Ω and adjustable have ± 10 % tolerance. Closer tolerances available upon request.

DERATING FOR GROUP INSTALLATIONS				
NUMBER OF RESISTORS	% OF SINGLE RATING			
STACKED	VERTICAL CHASSIS	HORIZONTAL CHASSIS		
2	80	75		
3	70	60		
4	65	50		

Notes

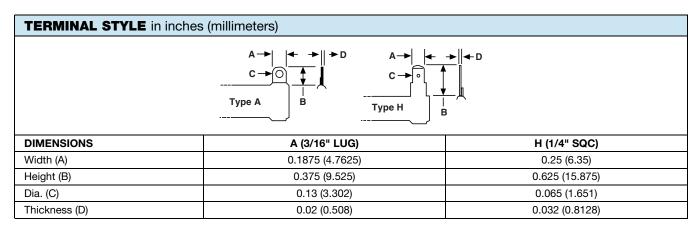
• Ratings are based on mounting on a steel panel 10" x 10" x 0.040". Derate by 29 % when mounting on non-heat conductive surface.



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Vishay Milwaukee



MATERIAL SPECIFICATIONS				
Element Copper-nickel, nickel-chrome, iron-chrome-aluminum				
Core	Steatite			
Coating	High temperature silicone			
Standard terminals	Nickel-iron			
Part marking	Value, date code, MRC			

GLOB	GLOBAL PART NUMBER INFORMATION								
Global F	Global Part Numbering example: OVSF0070137K0JHB00 (OVSF0070 137K 5 % 1/4SQC B)								
0	O V S F O O 7 O 1 3 7 K O J H B O O								
MODEL (2 digits)	COATING (1 digit)	TYPE (1 digit)	SIZE (4 digits)	VALUE (5 digits)	TOLERANCE (1 digit)	TERMINAL (1 digit)	PACKAGING (1 digit)	SPECIAL (2 digits)	
ov	S = Silicone	F = Fixed	0030 = 30 W 0095 = 95 W Available sizes: 0030 0040 0055 0070 0095	$\begin{tabular}{ll} $\bf R = Decimal \\ $\bf K = Thousand \\ $\bf R1500 = 0.15 \ \Omega \\ \bf 1K500 = 1.5 \ k\Omega \\ \end{tabular}$ Check datasheet for available value range	$J = \pm 5.0 \%$ $K = \pm 10 \%$	A = 3/16" lug (3/16L) H = 1/4" single quick-connect (1/4SQC)	B = Bulk	00 = Standard NI = Non-inductive NS = No strips and spacers	



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