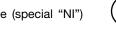


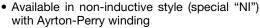
Wirewound Resistor, Industrial Power, Silicone Coated, Standard Oval



FEATURES

- · High temperature silicone coating
- · Mounting accommodations ideally suited to high density packaging





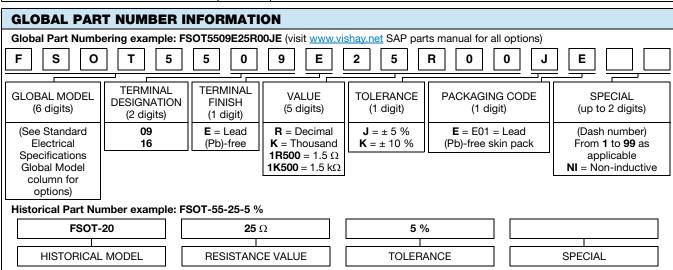


COMPLIANT

- · Self-stacking hardware for horizontal or vertical placement
- · Mounting hardware functions as a heat sink allowing greater heat dissipation and less derating of stacked units
- · Material categorization: For definitions of compliance please see www.vishav.com/doc?99912

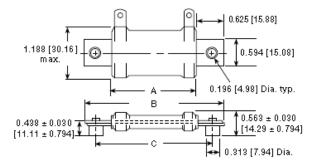
STANDARD ELECTRICAL SPECIFICATIONS					
GLOBAL MODEL	HISTORICAL MODEL	POWER RATING P _{25 °C} W	RESISTANCE RANGE Ω ± 5 %	RESISTANCE RANGE Ω ± 10 %	WEIGHT (typical) g
FSOT30 FSOT30-NI	FSOT-30 FSOT-30-NI	30	1.0 to 11K 1.0 to 1.2K	0.10 to 11K 1.0 to 1.2K	20.14
FSOT40 FSOT40-NI	FSOT-40 FSOT-40-NI	40	1.0 to 26K 1.0 to 3K	0.10 to 26K 1.0 to 3K	30.07
FSOT55 FSOT55-NI	FSOT-55 FSOT-55-NI	55	1.0 to 54K 1.0 to 6.8K	0.10 to 54K 1.0 to 6.8K	51.25
FSOT65 FSOT65-NI	FSOT-65 FSOT-65-NI	70	1.0 to 77K 1.0 to 9.4K	0.10 to 77K 1.0 to 9.4K	60.48
FSOT75 FSOT75-NI	FSOT-75 FSOT-75-NI	95	1.0 to 99.9K 1.0 to 12.4K	0.10 to 99.9K 1.0 to 12.4K	76.51

TECHNICAL SPECIFICATIONS					
PARAMETER	UNIT	FSOT RESISTOR CHARACTERISTICS			
Temperature Coefficient	ppm/°C	\pm 260 for 20 Ω and above, \pm 400 for 1 Ω to 20 $\Omega,$ special TC's available			
Short Time Overload	-	10 x rated power for 5 s			
Dielectric Withstanding Voltage	V _{AC}	1000, from terminal to mounting hardware			
Maximum Working Voltage	V	(P x R) ^{1/2}			
Operating Temperature Range	°C	- 55 to + 350			



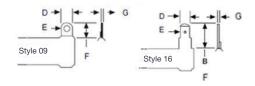


DIMENSIONS in inches [millimeters]



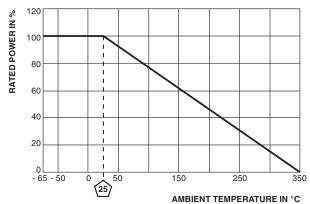
MODEL		DIMENSIONS in inches [millimeters]						
	Α	В	С	DISTANCE BETWEN TERMINALS (REF.)	TERMINAL DESIGNATION			
	± 0.063 [1.59]	± 0.063 [1.59]	± 0.031 [0.79]		STANDARD	OPTIONAL		
FSOT30	1.250 [31.75]	2.500 [63.50]	2.000 [50.8]	0.626 [15.90]	09	16		
FSOT40	2.000 [50.8]	3.125 [79.38]	2.750 [69.85]	1.501 [38.13]	09	16		
FSOT55	3.500 [88.90]	4.375 [111.13]	4.125 [104.78]	3.001 [76.23]	09	16		
FSOT65	4.750 [120.65]	6.000 [152.4]	5.500 [107.98]	4.251 [107.98]	09	16		
FSOT75	6.000 [152.4]	7.125 [180.98]	6.750 [171.45]	5.501 [139.73	09	16		

TERMINAL DIMENSIONS



DIMENSIONS	DIMENSIONS in inches [millimeters]			
DIMENSIONS	STYLE 09	STYLE 16		
D	0.188 [4.76]	0.188 [4.76]		
E (HOLE DIAMETER)	0.500 [12.70]	0.563 [14.29]		
F	0.104 [2.64]	0.050 [1.27]		
G	0.020 [0.51]	0.020 [0.51]		

DERATING



MATERIAL SPECIFICATIONS

Element: Copper-nickel alloy or nickel-chrome alloy, depending on resistance value

Core: Ceramic, steatite

Coating: Special high temperature silicone **Standard Terminals:** Tinned alloy 42

Optional Terminals (Quick Connect): Alloy 42

Terminal Bands: Alloy 42

Part Marking: HEI, model, wattage, value, tolerance, date

code

NON-INDUCTIVE

Models of equivalent physical and electrical specifications are available with non-inductive (Ayrton-Perry) winding. They are identified by adding the letters "NI" to the end of the part number in the special section. For non-inductive models the maximum resistance values are lower, see Standard Electrical Specifications Table.



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Vishay

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Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as Halogen-Free follow Halogen-Free requirements as per JEDEC JS709A standards. Please note that some Vishay documentation may still make reference to the IEC 61249-2-21 definition. We confirm that all the products identified as being compliant to IEC 61249-2-21 conform to JEDEC JS709A standards.

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