



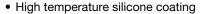
www.vishay.com

Vishay Huntington

Wirewound Resistor, Industrial Power, Silicone Coated, Miniature Oval



FEATURES

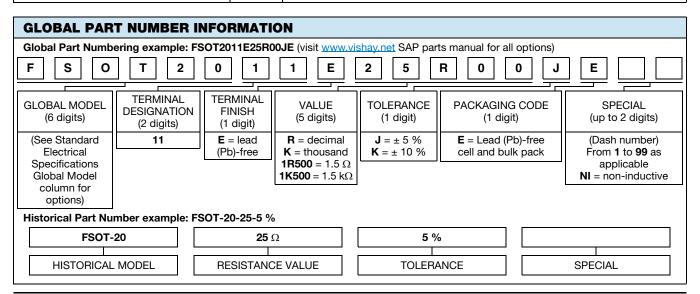




- Mounting accommodations ideally suited to high density packaging
- (e3
- Available in non-inductive style (special "NI") with Ayrton-Perry winding
- ROHS
- Self-stacking hardware for horizontal or vertical placement
- Mounting hardware functions as a heat sink allowing greater heat dissipation and less derating of stacked units
- Material categorization: for definitions of compliance please see www.vishay.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	
FSOT10	FSOT-10	10	1.0 to 15K	0.10 to 15K	0.41	
FSOT10-NI	FSOT-10-NI	10	1.0 to 1.8K	1.0 to 1.8K	0.41	
FSOT15	FSOT-15	15	1.0 to 26K	0.10 to 26K	0.47	
FSOT15-NI	FSOT-15-NI	15	1.0 to 3.6K	1.0 to 3.6K	0.47	
FSOT20	FSOT-20	00	1.0 to 71K	0.10 to 71K	0.74	
FSOT20-NI	FSOT-20-NI	20	1.0 to 9.8K	1.0 to 9.8K	0.74	

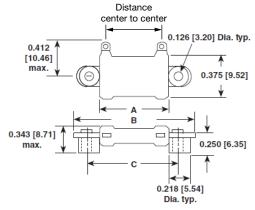
TECHNICAL SPECIFICATIONS					
PARAMETER	UNIT	FSOT RESISTOR CHARACTERISTICS			
Temperature Coefficient	ppm/°C	\pm 260 for 20 Ω and above, \pm 400 for 1 Ω to 20 $\Omega,$ special TC's available			
Short Time Overload	-	10 x rated power for 5 s			
Dielectric Withstanding Voltage	V _{AC}	1000, from terminal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





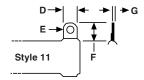
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DIMENSIONS in inches [millimeters]



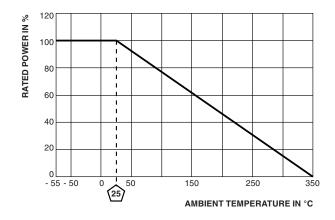
MODEL	DIMENSIONS in inches [millimeters]						
	A ± 0.063 [1.59]	B ± 0.063 [1.59]	C ± 0.031 [0.79]	DISTANCE CENTER TO CENTER (REF.)	STANDARD TERMINAL DESIGNATION		
FSOT10	0.750 [19.05]	1.312 [33.32]	1.000 [25.40]	0.531 [13.49]	11		
FSOT15	1.000 [25.40]	1.562 [39.67]	1.250 [31.75]	0.781 [19.84]	11		
FSOT20	2.062 [52.37]	2.625 [66.68]	2.312 [58.72]	1.843 [46.81]	11		

TERMINAL DIMENSIONS



DIMENSIONS	DIMENSIONS in inches [millimeters]		
DIWILIAGIONS	STYLE 11		
D	0.125 [3.18]		
E (HOLE DIAMETER)	0.081 [2.10]		
F	0.235 [5.97]		
G	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

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 Intertechnology, Inc. hereby certifies that all its products that are identified as RoHS-Compliant fulfill the definitions and restrictions defined under Directive 2011/65/EU of The European Parliament and of the Council of June 8, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (EEE) - recast, unless otherwise specified as non-compliant.

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.

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Revision: 02-Oct-12 Document Number: 91000