

Excellent Integrated System Limited

Stocking Distributor

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Huntington Electric, Inc./Vishay FSOT1011ER2500KE

For any questions, you can email us directly: sales@integrated-circuit.com



Distributor of Huntington Electric, Inc./Vishay: Excellent Integrated System Limited

Datasheet of FSOT1011ER2500KE - RES CHAS MNT 0.25 OHM 10% 10W

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

Not available for new designs, use FSOT



www.vishay.com

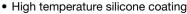
FSOT

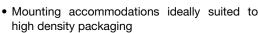
Vishay Huntington

Wirewound Resistor, Industrial Power, Silicone Coated, Miniature Oval



FEATURES







 Available in non-inductive style (special "NI") with Ayrton-Perry winding

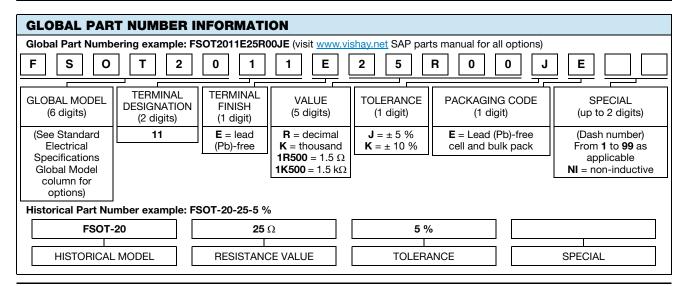
RoHS

• 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 <u>www.vishay.com/doc?99912</u>

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	45	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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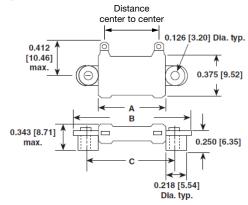


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FSOT

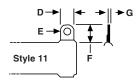
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DIMENSIONS in inches [millimeters]



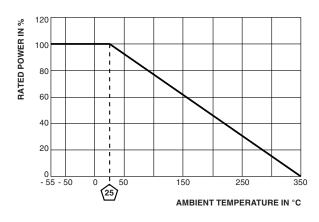
MODEL		DIMENSIONS in inches [millimeters]						
	A ± 0.063 [1.59]	B ± 0.063 [1.59]	C ± 0.031 [0.79]	DISTANCE CENTER TO CENTER (REF.)	STANDARD TERMINAL DESIGNATION			
FSOT10	0.750 [19.05]	1.312 [33.32]	1.000 [25.40]	0.531 [13.49]	11			
FSOT15	1.000 [25.40]	1.562 [39.67]	1.250 [31.75]	0.781 [19.84]	11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