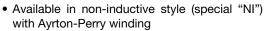


Wirewound Resistor, Industrial Power, Vitreous Coated, Miniature Flat



FEATURES

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







- 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.vishav.com/doc?99912</u>

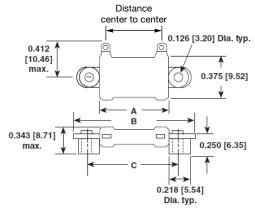
STANDARD ELECTRICAL SPECIFICATIONS					
GLOBAL MODEL	HISTORICAL MODEL	POWER RATING P _{25 °C} W	RESISTANCE RANGE Ω ± 5 %	RESISTANCE RANGE Ω ± 10 %	WEIGHT (typical) g
FVOT10	FVOT-10	10	1.0 to 15K	0.10 to 15K	0.41
FVOT10-NI	FVOT10-NI	10	1.0 to 1.8K	1.0 to 1.8K	0.41
FVOT15	FVOT-15	15	1.0 to 26K	0.10 to 26K	0.47
FVOT15-NI	FVOT15-NI	15	1.0 to 3.6K	1.0 to 3.6K	0.47
FVOT20	FVOT-20	00	1.0 to 71K	0.10 to 71K	0.74
FVOT20-NI	FVOT20-NI	20	1.0 to 9.8K	1.0 to 9.8K	0.74

TECHNICAL SPECIFICATIONS			
PARAMETER	UNIT	FVOT 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	$(P \times R)^{1/2}$	
Operating Temperature Range	°C	-55 to +350	

GLOBAL PAR	GLOBAL PART NUMBER INFORMATION					
Global Part Numb	Global Part Numbering example: FVOT2011E25R00JE (visit www.vishay.com SAP parts manual for all options)					
F V O	T 2	0 1	1 E	2 5	R 0 0 J	
GLOBAL MODEL (6 digits)	TERMINAL DESIGNATION (2 digits)	TERMINAL FINISH (1 digit)	VALUE (5 digits)	TOLERANCE (1 digit)	PACKAGING CODE (1 digit)	SPECIAL (up to 2 digits)
(See Standard Electrical Specifications Global Model column for options)	11	E = lead (Pb)-free	$\label{eq:R} \begin{split} \textbf{R} &= \text{decimal} \\ \textbf{K} &= \text{thousand} \\ \textbf{1R500} &= 1.5~\Omega \\ \textbf{1K500} &= 1.5~\text{k}\Omega \end{split}$	J = ± 5 % K = ± 10 %	E = lead (Pb)-free cell and bulk pack	(Dash number) From 1 to 99 as applicable NI = non-inductive
Historical Part Number example: FVOT-20-25-5 %						
FVOT-20 25		Ω	5 %	6		
HISTORICAL MODEL RESISTANC		CE VALUE	TOLERA	ANCE	SPECIAL	

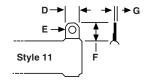


DIMENSIONS in inches [millimeters]



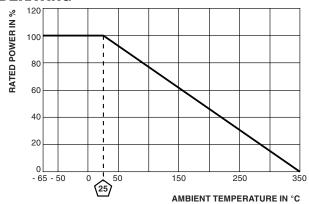
MODEL		DIMENSIONS in inches [millimeters]					
	A ± 0.063 [1.59]	B ± 0.063 [1.59]	C ± 0.031 [0.79]	DISTANCE CENTER TO CENTER (REF.)	STANDARD TERMINAL DESIGNATION		
FVOT10	0.750 [19.05]	1.312 [33.32]	1.000 [25.40]	0.531 [13.49]	11		
FVOT15	1.000 [25.40]	1.562 [39.67]	1.250 [31.75]	0.781 [19.84]	11		
FVOT20	2.062 [52.37]	2.552 [64.83]	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 or cordierite

Coating: special high temperature vitreous **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

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