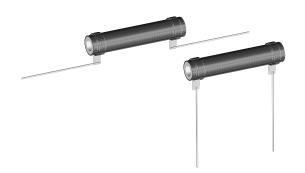


Vishay Huntington

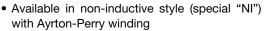
# Wirewound Resistor, Industrial Power, Vitreous Coated, Tubular



#### **FEATURES**

- · High temperature vitreous coating
- Complete welded construction





- Various lead and terminal options
- Excellent stability in operation (< 3 % change resistance)
- Material categorization: for definitions of compliance please see <a href="https://www.vishay.com/doc?99912">www.vishay.com/doc?99912</a>





ROHS COMPLIANT HALOGEN FREE

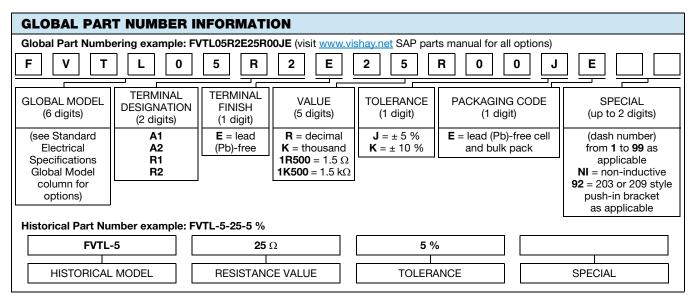
GREEN (5-2008)

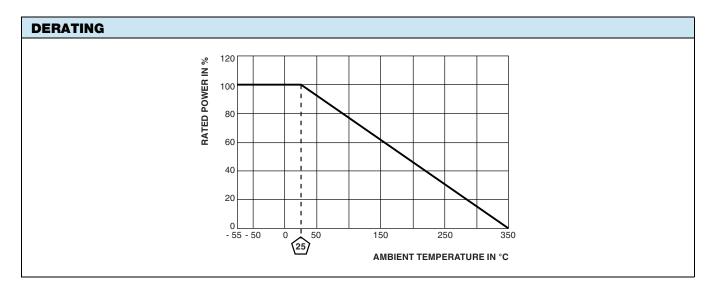
STANDARD ELECTRICAL SPECIFICATIONS					
GLOBAL MODEL	HISTORICAL MODEL	POWER RATING  P <sub>25 °C</sub> W	RESISTANCE RANGE Ω ± 5 %	RESISTANCE RANGE Ω ± 10 %	WEIGHT (typical) g
FVTL05	FVTL-5	5	1.0 to 20.5K	0.1 to 20.5K	4.60
FVTS05	FVTS-5	5	1.0 to 20.5K	0.1 to 20.5K	4.60
FVWL5A	-	5.25	1.0 to 15K	0.1 to 15K	2.12
FVTL5A	-	5.25	1.0 to 15K	0.1 to 15K	2.12
FVWL05	FVWL-5	8	1.0 to 20.5K	0.1 to 20.5K	4.60
FVWL08	=	8	1.0 to 20.5K	0.1 to 20.5K	4.60
FVTL08	-	8	1.0 to 20.5K	0.1 to 20.5K	4.60
FVWL1A	-	10	1.0 to 29K	0.10 to 29K	6.24
FVTL10	FVTL-10	12	1.0 to 58K	0.10 to 58K	6.69
FVTS10	FVTS-10	12	1.0 to 58K	0.10 to 58K	6.69
FVWL10	FVWL-10	12	1.0 to 58K	0.10 to 58K	6.69
FVWL12	-	12	1.0 to 58K	0.10 to 58K	6.69
FVTL12	-	12	1.0 to 58K	0.10 to 58K	6.69
FVWL15	-	15	1.0 to 60K	0.10 to 60K	8.82
FVTL15	-	15	1.0 to 60K	0.10 to 60K	8.82
FVWL2A	-	20	1.0 to 95K	0.10 to 95K	11.36
FVTL2A	-	20	1.0 to 95K	0.10 to 95K	11.36
FVTL20	FVTL-20	20	1.0 to 95K	0.10 to 95K	12.57
FVTS20	FVTS-20	20	1.0 to 95K	0.10 to 95K	12.57
FVWL20	FVWL-20	20	1.0 to 95K	0.10 to 95K	12.57

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



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#### **MATERIAL SPECIFICATIONS**

Element: copper-nickel alloy or nickel-chrome alloy,

depending on resistance value

Core: ceramic, steatite

**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.





0.438

[11.11]

0.438

[11.11]

FVTS20

FVWL20

0.260

[6.604]

0.260

[6.604]

2.000

[50.8]

2.000

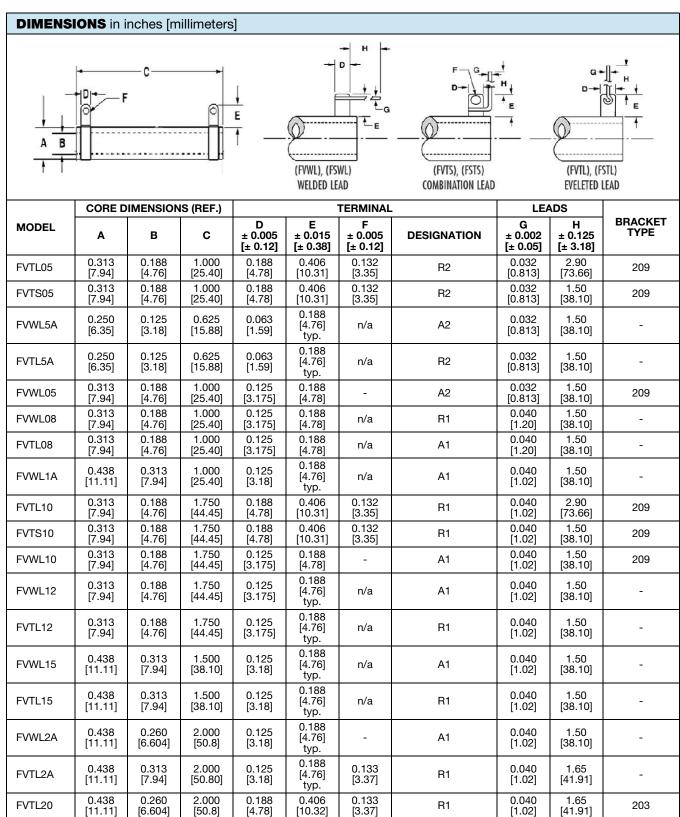
[50.8]

0.188

[4.78]

0.125

[3.175]



0.133

[3.37]

R1

Α1

0.040

[1.02]

0.040

[1.02]

1.50

[38.10]

1.50

[38.10]

203

203

0.406

[10.32]

0.188

[4.78]



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