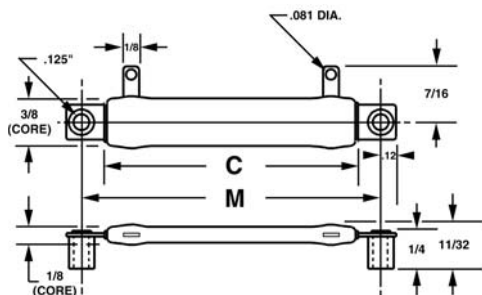
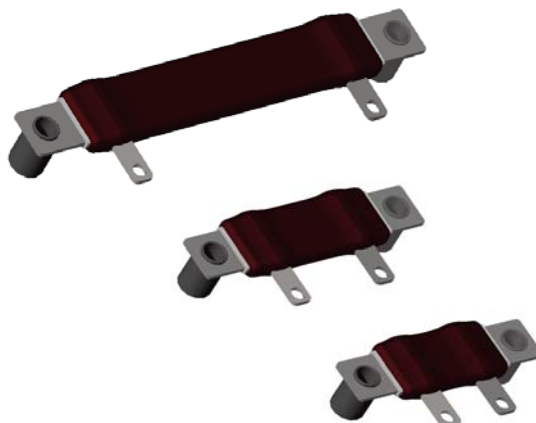


# FVOT / FSOT MINIATURE OVAL WIREWOUND RESISTORS

H.E.I. Miniature Oval Wirewound Resistors are ideally suited for applications where space is limited and the mounting surface can be utilized for heat dissipation purposes. A thin oval cross section and flat mounting brackets allow stacking into compact units. The aluminum mounting brackets extend through the resistor core and equalize heat distribution while conducting heat directly into the mounting surface.



10 WATTS THRU 20 WATTS



FVOT - VITREOUS      FSOT - SILICONE

**NOTE: Wattage Rating is based upon a single resistor mounted on a 10" X 10" X .040" steel mounting surface or equivalent. See derating charts for stacked resistors or higher ambient temperatures.**

DIMENSION INFORMATION			
TYPE	WATT	C +/- .032 (0.8)	M +/- .032 (0.8)
FVOT-10	10	.75 (19.1)	1.00 (25.4)
FVOT-15	15	1.00 (25.4)	1.25 (31.8)
FVOT-20	20	2.00 (50.8)	2.31 (58.7)

inches (mm)

**ORDER INFORMATION**

**FVOTJ - 20 - 100 - NI**

TYPE	POWER	RESISTANCE	ADD FOR
V=VITREOUS	INCLUDE FOR	VALUE	NON-INDUCTIVE
S=SILICON	TOLERANCE (J = ± 5%)		

## ENGINEERING AND MATERIAL DATA

**RESISTANCE TOLERANCE:** Standard tolerance is ± 5% for 1 ohm and greater and ± 10% for less than 1 ohm. Available Tolerances: F = ± 1%, J = ± 5%, K = ± 10%

**MOUNTING BRACKETS:** Constructed of aluminum and are an integral part of the resistor.

**NON-INDUCTIVE:** Ayrton-Perry type non-inductive winding is available. When required add "NI" to the part number.

**TEMPERATURE COEFFICIENT:** ± 400 PPM/°C 1Ω to 20Ω, ± 260 PPM/°C 20Ω and above. (Special TC's are available, consult factory.)

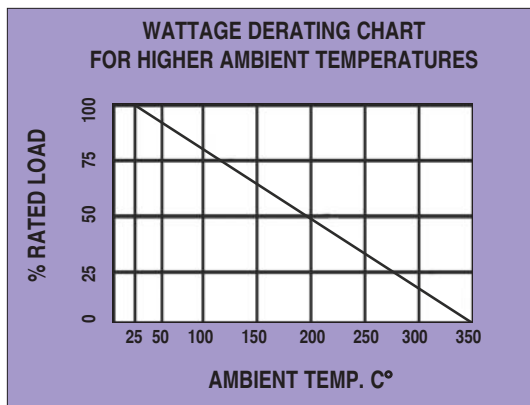
**DIELECTRIC WITHSTANDING VOLTAGE:** 500 VAC measured from terminals to mounting brackets.

**OVERLOAD:** 10 X rated wattage for 5 seconds.

**TERMINALS:** Hot tin dipped are standard.

**COATING:** Available in Vitreous Enamel or Silicone.

**CORE:** Steatite ceramic.



WATTAGE DERATING FOR MULTIPLE STACKED RESISTORS		
Number of Resistors	% Of Single Unit Rating	% with a 3/32" Spacer
2	70	75
3	60	70
4	50	65