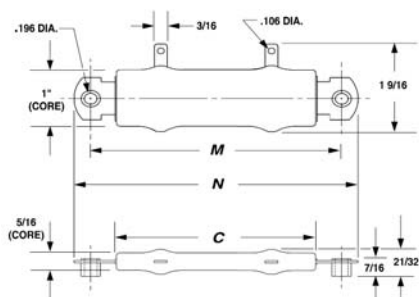


# FVOT / FSOT STANDARD OVAL WIREWOUND RESISTORS

H.E.I. Standard Oval Wirewound Resistors are ideally suited for applications where high power dissipation is desired in a small area. A thin oval cross section and flat mounting brackets allow stacking into compact units. The metal mounting brackets extend through the resistor core and equalize heat distribution while conducting heat directly into the mounting surface.



FVOT - VITREOUS FSOT - SILICONE

DIMENSION INFORMATION				
TYPE	WATT	C +/- .032 (0.8)	M +/- .032 (0.8)	N +/- .032 (0.8)
FSOT-30	30	1.25 (31.8)	2.00 (50.8)	2.50 (63.5)
FSOT-40	40	2.00 (50.8)	2.75 (69.9)	3.25 (82.6)
FSOT-55	55	3.50 (88.9)	4.25 (108.0)	4.75 (120.7)
FSOT-65*	70	4.75 (120.7)	5.50 (139.7)	6.00 (152.4)
FSOT-75*	95	6.00 (152.4)	6.75 (171.5)	7.25 (184.2)

\* - Not available in vitreous coating

inches (mm)

ORDER INFORMATION				
<b>FVOTJ - 30 - 200 - NI</b>				
TYPE	INCLUDE FOR	POWER	RESISTANCE	ADD FOR
V=VITREOUS	TOLERANCE (J = ±5%)		VALUE	NON-INDUCTIVE
S=SILICON				

## 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 plated steel and aluminum standoffs and are an integral part of the resistor.

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

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

**DIELECTRIC WITHSTANDING VOLTAGE:** 1000 VAC measured from terminals to mounting brackets.

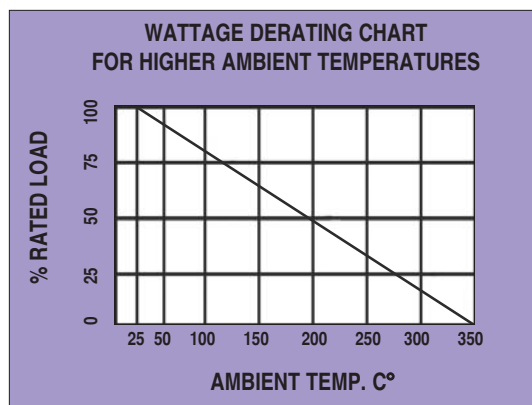
**OVERLOAD:** 10 X rated wattage for 5 seconds.

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

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

**CORE:** Steatite ceramic.

**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.



WATTAGE DERATING FOR MULTIPLE STACKED RESISTORS		
Number of Resistors	% Of Single Unit Rating	% with a 3/32" Spacer
2	75	80
3	60	70
4	50	65