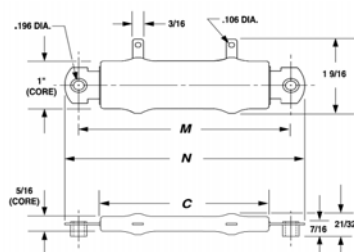




FVOT / FSOT STANDARD OVAL WIREWOUND RESISTORS

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.



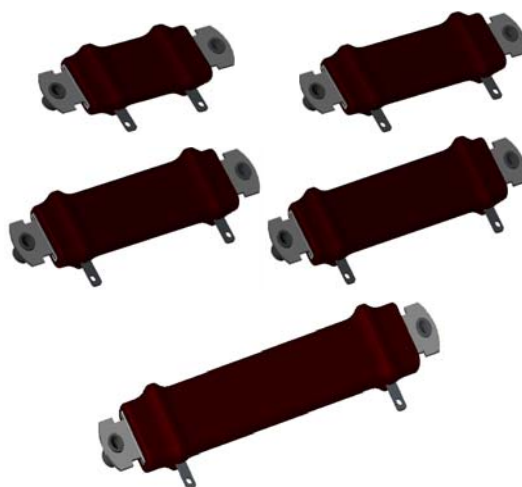
DIMENSION INFORMATION

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)

30 WATTS THRU 90 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.

ORDER INFORMATION

FVOT - 30 - 200 - 5% - NI

TYPE RESISTANCE ADD FOR ADD FOR
V=VITREOUS VALUE SPECIAL NON-INDUCTIVE
S=SILICON TOLERANCE

ENGINEERING DATA AND ORDER OPTIONS

RESISTANCE TOLERANCE:

Standard tolerance is $\pm 5\%$ for 1 ohm and greater and $\pm 10\%$ for less than 1 ohm. If other than standard tolerance is required add this tolerance as shown.

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" as shown

TEMPERATURE COEFFICIENT:

± 400 PPM/ $^{\circ}$ C 1 Ω to 20 Ω , ± 260 PPM/ $^{\circ}$ C 20 Ω 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.

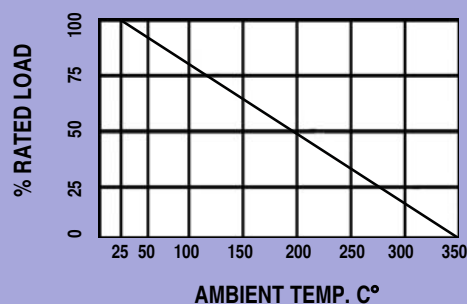
COATING:

Available in Vitreous Enamel or Silicone.

CORE:

Steatite ceramic.

WATTAGE DERATING CHART FOR 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