

EDGEWOUND FIXED and ADJUSTABLE VITREOUS and SILICONE



40 WATTS thru 1500 WATTS



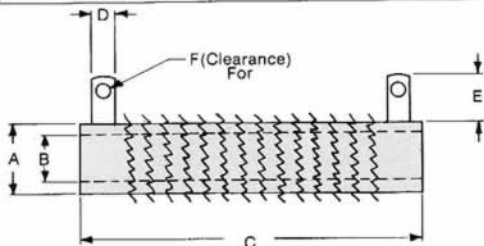
TYPE	WATT	CORE			TERMINAL		
		A	B	C	D	E	F
FSE-40	40	9/16	5/16	2	1/4	9/16	8-32
+ FSE-50	50	3/4	1/2	2	1/4	9/16	8-32
FSE-90	90	9/16	5/16	4	1/4	9/16	8-32
+ FSE-100	100	3/4	1/2	3 1/2	1/4	9/16	8-32
+ FSE-110	110	3/4	1/2	4	1/4	9/16	8-32
+ FSE-120	120	3/4	35/64	4 1/2	1/4	9/16	8-32
+ FSE-155	155	1 1/8	3/4	4 1/4	5/16	5/8	10-32
+ FSE-240	240	1 1/8	3/4	6 1/2	5/16	5/8	10-32
+ FSE-300	300	1 1/8	3/4	8 1/2	5/16	5/8	10-32
+ FSE-375	375	1 1/8	3/4	10 1/2	5/16	5/8	10-32
+ FSE-420	420	1 1/8	3/4	11 3/4	5/16	5/8	10-32
* FSE-500	500	1 5/8	1 1/8	10 1/2	1/2	5/8	1/4-20
* FSE-750	750	2 1/2	1 3/4	12	1/2	5/8	1/4-20
* FSE-1000	1000	2 1/2	1 3/4	15	1/2	5/8	1/4-20
* FSE-1500	1500	2 1/2	1 3/4	20	1/2	5/8	1/4-20

NOTE 1: The above chart applies to both vitreous and silicone coated fixed resistors. The "type" nomenclature shown is for silicone coating. When ordering vitreous coating, substitute the letter "V" for the letter "S" in the type.

NOTE 2: When ordering adjustable resistors, substitute the letter "A" for the letter "F" in the type.
 EXAMPLE: FVE = FIXED VITREOUS AVE = ADJUSTABLE VITREOUS
 FSE = FIXED SILICONE ASE = ADJUSTABLE SILICONE

* Not available in vitreous enamel

* Also available with 1/2" wide terminal with clearance hole for 10-32 or 1/4-20 on request



GENERAL INFORMATION

H.E.I. Edgewound Resistors are designed for applications demanding maximum power dissipation in minimum space. Edgewounds are constructed of special alloy resistance wire, crimped, and wound on edge. High quality ceramic cores are used with a coating of either vitreous enamel or silicone to provide heat sink for short term overloads and maximum dissipation.

Units are available with taps at specific locations or as adjustable units.

Units are available in multi-resistor banks for even larger power requirements.

Standard units are supplied without terminal hardware.

ORDERING INFORMATION

FVE - 40 - 200 - 5%

TYPE & WATTAGE

FVE=FIXED VITREOUS

AVE=ADJUSTABLE VITREOUS

FSE=FIXED SILICONE

ASE=ADJUSTABLE SILICONE

RESISTANCE

VALUE

ADD FOR

SPECIAL

TOLERANCE

EDGEWOUND FIXED and ADJUSTABLE VITREOUS or SILICONE



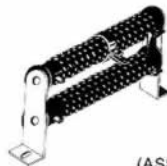
40 WATTS thru 1500 WATTS



(FIXED)



(ADJUSTABLE)



(ASSEMBLIES)

ENGINEERING DATA AND SPECIFICATIONS

CORE: Ceramic

COATING: Available in vitreous enamel or silicone. (See ordering information.)

TERMINALS: Terminals are suitable for solder or bolt connections.

MOUNTING HARDWARE: Spring grip mounting brackets are available for cores with 1 1/8" and smaller O.D.'s. Horizontal or vertical thru-bolt with mica and ceramic bushings and multiple resistor brackets are available for all sizes. (Consult factory.)

TEMPERATURE COEFFICIENT: 0 \pm 260 ppm/ $^{\circ}$ C is standard for 300 watts. (Consult factory for other values or special TC's)

DIELECTRIC WITHSTANDING VOLTAGE: Measured from terminals to brackets. 1000 VAC.

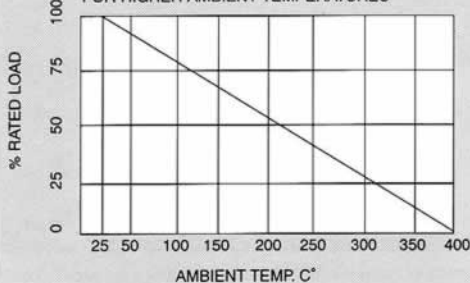
INDUCTANCE: All edgewound resistors are single layer inductively wound.

OVERLOAD: 10 x rated power for 5 seconds.

TOLERANCE: \pm 10% is standard for all types. Special tolerances are available. (See ordering information.)

DERATING: Wattage rating is based on 25 $^{\circ}$ C free air rating. For higher ambient temperatures, use derating chart provided.

WATTAGE DERATING CHART
FOR HIGHER AMBIENT TEMPERATURES



CORE LENGTH TOLERANCES

UP TO 4"	\pm 1/32
4" TO 6 1/2"	\pm 1/16
6 1/2" TO 8 1/2"	\pm 3/32
8 1/2" TO 12"	\pm 1/8
12" & OVER	\pm 3/16

TERMINAL EDGE DIMENSIONS

CORE O.D.	TYP. SET-IN
9/16	3/32
3/4	3/32
1 1/8	1/4
1 5/8	1/4
2 1/2	1/2