

High-voltage resistors flat type series HVRF

Data sheet

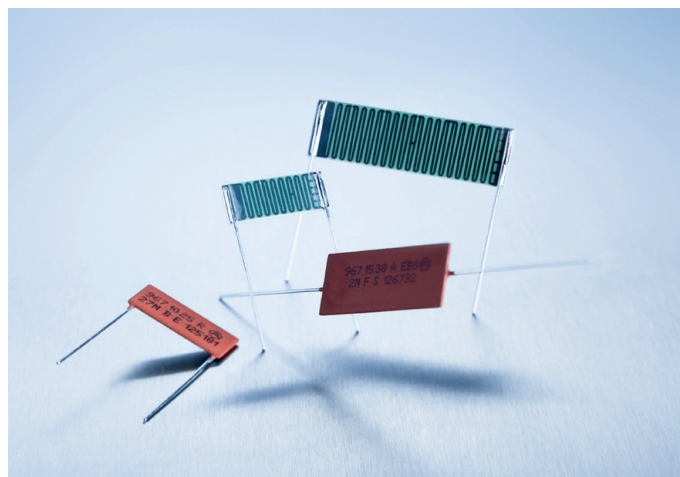


TC of ± 10 ppm/ $^{\circ}\text{C}$ to ± 200 ppm/ $^{\circ}\text{C}$
different coatings available

Good temperature and voltage coefficients, high resistance values and high voltage capability distinguish the series of high precision cement resistors.

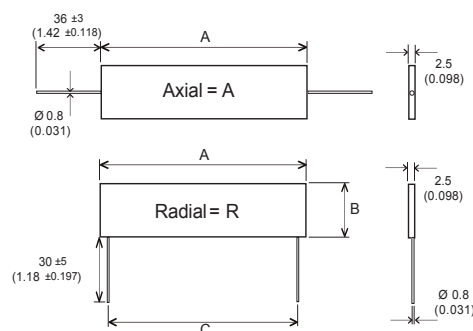
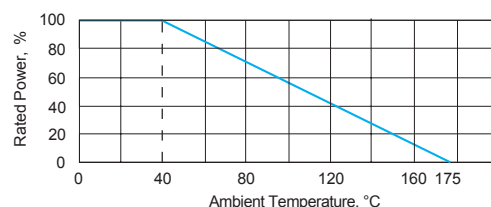
Features

- up to 35 kV operating voltage
- Tolerance range $\pm 10\%$ to $\pm 0.1\%$
- Ohmic range $10\ \Omega$ to $30\ \text{G}\Omega$ (depending on model no.)
- Non-Inductive design
- ROHS compliant



Technical Specifications

Resistance value	$10\ \Omega \leq 30\ \text{G}\Omega$ (depending on model no., ask for details)	
Resistance tolerance	$\pm 0.1\%$ to $\pm 10\%$	
Temperature coefficient	± 10 ppm/ $^{\circ}\text{C}$ to ± 200 ppm/ $^{\circ}\text{C}$ @ 85°C ref. to $+25^{\circ}\text{C}$ other TCR on special request for limited ohmic values	
Max. operating temperature	-55 to $+175^{\circ}\text{C}$	
Dielectric strength	$> 1,000\ \text{V}$ @ 25°C , 75% relative humidity	
Insulation resistance	$> 10,000\ \text{M}\Omega$ @ $500\ \text{V}$, 25°C , 75% relative humidity	
Overload	$\Delta R/R$ 0.25 % max. $1.5 \times \text{Pnom}$, 5 sec. do not exceed $1.5 \times \text{V max.}$	
Load Life	$\Delta R/R$ 0.25 % max.	
Moisture resistance	$\Delta R/R$ 0.25 % max.	
Thermal shock	$\Delta R/R$ 0.2 % max.	
Encapsulation	silicone conformal (U) or glass coating (G) other coatings with different dielectric strengths available on special request	
Lead material	tinned copper	
Weight	depending on model no. (ask for details)	



Model Specifications

Dimensions in mm

Model no.	P Wattage	U kV DC	A	B	C
325	1	8	25.4	3.8	22.9
338	1.5	10	38	3.8	35.7
513*	1	5	12.7	5.0	10.2
551	2	20	50.8	5.0	48.3
1025	2	10	25.4	10.0	22.9
1051	3	30	50.8	10.0	48.3
1538	3	15	38	15.0	35.7
1551	4.5	30	50.8	15.0	48.3
1576	5.5	35	76.2	15.0	73.4
2599	10	35	101.6	24.0	98.6

*Pins: L = 9 + 1 mm \square 0.6 x 0.35 mm

How to make a request

Model no. A or R_U or G_Ohmic Value_Tolerance_TC

A = Axial
R = Radial

U = Silicone conformal coating
G = Glass coating

For example:

HVRF 325 RG 56M 5% 100ppm or
HVRF 1515 AU 1G 1% 100ppm