

fixed resistors

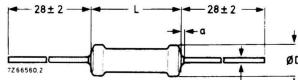
high voltage

VR37 VR68

A range of metal glazed resistors especially intended for stability and reliability at high voltages. They are commonly used as protection resistors in tv and radio touch control systems.

Resistance range, VR37	1 MΩ to 33 MΩ, E24 and E96
VR68	1 MΩ to 68 MΩ, E24 and E96
Resistance tolerance	± 1% (E96) and ± 5% (E24)
Max. body temperature (hot spot)	155 °C
Temperature coefficient	± 200 ppm / °C
Rated dissipation at T _{amb} = 70 °C	VR37 0,5 W VR68 1,0 W
Limiting voltage, VR37	3500 V(d.c.) or 2500 V(r.m.s.)
VR68	10000 V(d.c.) or 7000 V(r.m.s.)
Dielectric withstand voltage of the insulation for 1 minute	min 700 V(r.m.s.)
Basic specification	IEC 115, type 1B
Climatic category (IEC 68)	55/155/56
Noise	0,5 µV/V
Stability after: 1000 h max. load	VR37 VR68 ΔR 0,5% ΔR 1%

style	L _{max}	D _{max}	a _{max}	d
VR37	10	3,7	1,0	0,7
VR68	18	6,8	1,2	0,8



Composition of the catalogue no.

style code 2322
 5 for R of 1 MΩ to 9,1 MΩ
 6 for R of 10 MΩ to 68 MΩ

242 for VR37
 244 for VR68

E24: 13 + first two digits of the resistance value
 E96: 8 + first three digits of the resistance value

E24 series			
colour	first digits of resistance value	multiplier	tolerance
black	0		
brown	1		± 1%
red	2		
orange	3		
yellow	4		
green	5	100 000 x	± 5%
blue	6	1 000 000 x	
violet	7		
grey	8		
white	9		

E96 series