

fixed resistors

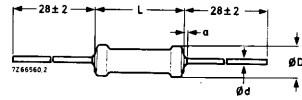
high voltage

VR37 VR68

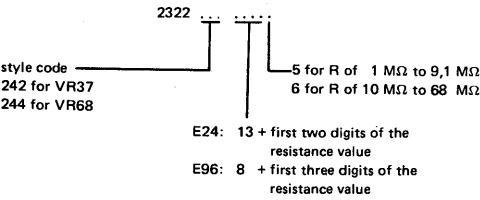
A range of metal glazed resistors especially intended for stability and reliability at high voltages. They are commonly used as protection resistors in tv and radio touch control systems.

Resistance range, VR37	1 M Ω to 33 M Ω , E24 and E96
VR68	1 M Ω to 68 M Ω , E24 and E96
Resistance tolerance	$\pm 1\%$ (E96) and $\pm 5\%$ (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 withstanding 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 μ V/V
Stability after:	VR37 VR68
1000 h max load	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.



E24 series				
colour	first digits of resistance value	multiplier	tolerance	
black	0		$\pm 1\%$	
brown	1			
red	2			
orange	3			
yellow	4		$\pm 5\%$	
green	5	100 000 x		
blue	6	1 000 000 x		
violet	7			
grey	8			
white	9			
E96 series				