

Non-linear resistors

negative temperature coefficient (cont.)

book 3 part 1.

Miniature bead types

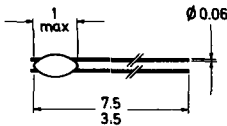
Plain beads		Gasfilled glass tube		Glass dipped bead		Thermometer type		Resistance at 25°C (R ₂₅) Ω	B-value K
Type No.	Code No. 2322 634 ..	Type No.	Code No. 2322 634 ..	Type No.	Code No. 2322 627 ..	Type No.	Code No. 2322 627 ..		
VA3100	11102	VA3200	21102	VA3400	21102	VA3700	11102	1000	2375
VA3102	11222	VA3202	21222	VA3402	21222	VA3702	11222	2200	2600
VA3104	11472	VA3204	21472	VA3404	21472	VA3704	11472	4700	3725
VA3106	11103	VA3206	21103	VA3406	21103	VA3706	11103	10 000	3800
VA3108	11223	VA3208	21223	—	—	VA3708	11223	22 000	3875
VA3110	11473	VA3210	21473	VA3410	21473	VA3710	11473	47 000	3850
VA3112	11104	VA3212	21104	VA3412	21104	VA3712	11104	100 000	3975
VA3114	11224	VA3214	21224	VA3414	21224	VA3714	11224	220 000	4200
VA3116	11474	VA3216	21474	—	—	VA3716	11474	470 000	4350

Maximum dissipation 60mW (VA3100 & VA3200)
100mW (VA3400 & VA3700)
Maximum temperature (T_{max}) 200°C
Stability ΔR₂₅ after 1000 hours at T_{max} <1%

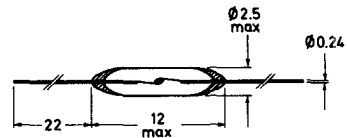
Dissipation constant approx:
VA3100 Series 0.1 mW/°C
VA3200 Series 0.4 mW/°C

VA3400 Series 0.75 mW/°C
VA3700 Series 0.7 mW/°C

VA3100 Series



VA3200 Series



VA3400 Series



VA3700 Series



positive temperature coefficient

D3474

General purpose disc types

Type No.	Code No. 2322 ...	Resistance at 25°C (R ₂₅) Ω	Switch temp. °C	App. res. at switch temp. Ω	Temp. coef. at switch temp. % per °C	Dissipation factor mW per °C	Max. voltage V	Dimensions mm	
								Body	Leads
E2202Z/01	661 91006	50	25	50	+ 9	6	40	Ø 8.5	Ø 0.5
E2202Z/02	661 91004	30	45	60	+ 16	8.5	50		39 long
E2202Z/03	661 91002	50	80	150	+ 18	8.5	50		
E2202Z/04	661 91003	40	110	80	+ 75	8.5	50		
VA8650	662 93037	80	75	220	+ 23	21	265	Ø 12.6	Ø 0.8, 30 long

Degaussing types for colour tv tubes

Type No.	Code No. 2322 ...	Resistance at 25°C (R ₂₅) Ω	Switch temp. °C	App. res. at switch temp. Ω	Temp. coef. at switch temp. % per °C	Dissipation factor mW per °C	Max. voltage V	Dimensions mm	
								Body	Leads
VA8650	662 93037	80	75	220	+ 23	21	265	Ø 12.6	Ø 0.8, 30 long
2322 662 98003		30 + 8	75	—	+ 25	13.5	265	Plastic case	Ø 17.7 16.5 high

continued