

Applications

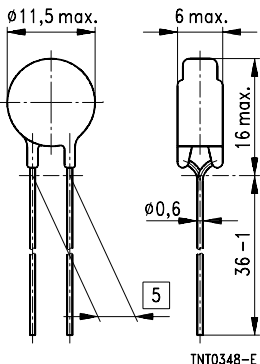
- Switch-mode power supplies

Features

- Useable in series connections up to 265 V_{rms}
- Coated thermistor disk
- Kinked leads of tinned, copper wire
- Wide resistance range
- Available on tape
- UL approval (E69802)

Options

Resistance tolerance < 20 % available on request



Dimensions in mm
Approx. weight 1 g

Lower/upper category temperature		– 55/+ 170	°C
Max. power at 25 °C	P_{max}	2,1	W
Resistance tolerance	$\Delta R/R_N$	± 20 %	
Rated temperature	T_N	25	°C
B value tolerance	$\Delta B/B$	± 3 %	
Dissipation factor (in air)	δ_{th}	approx. 10	mW/K
Thermal cooling time constant (in air)	τ_c	approx. 70	s
Heat capacity	C_{th}	approx. 700	mJ/K

Type	R_{25} Ω	I_{max} (0 ... 65 °C) A	No. of R/T char- acteristic	$B_{25/100}$ K	$C_T^{(1)}$ 230 V μF	$C_T^{(1)}$ 110 V μF	Parameters for $R(I)^{(1)}$		Ordering code B57236-
							k	n	
S 236/2,5/M	2,5	5,5	1201	2700	200	800	0,621	– 1,27	S259-M
S 236/5,0/M	5,0	4,5	1202	2800	300	1200	0,761	– 1,30	S509-M
S 236/10/M	10	3,5	1203	2900	300	1200	0,942	– 1,32	S100-M
S 236/12/M	12	3,2	1203	2900	300	1200	1,00	– 1,32	S120-M
S 236/16/M	16	2,9	1207	2965	300	1200	1,08	– 1,33	S160-M
S 236/20/M	20	2,8	1208	3065	300	1200	1,13	– 1,34	S200-M
S 236/25/M	25	2,5	1208	3065	300	1200	1,22	– 1,34	S250-M
S 236/50/M	50	1,9	1209	3165	300	1200	1,44	– 1,38	S500-M
S 236/80/M	80	1,6	1304	3300	400	1600	1,64	– 1,37	S800-M

1) For details on the capacitance C_T as well as on the parameters k and n refer to [pages 33–35](#).