

Type TG Series



Tyco Electronics is a leading European supplier of standard and custom designed glass-coated power resistora for industrial, control, and general-purpose applications.

and general-purpose applications.
The TG is a glass-coated power resistor designed for maximum power density (in free air), and offers a reliable fow cost, high power solution.

The highly refractory glass bond coat resists impact and does not deteriorate under power overload and the high quality construction offers optimum reliability and stability. Tyoo Electronics can test resistors to conform to customer specifications.

specifications.

A large selection of tube styles, diameters and mounting feet are available to meet every space and package requirement. Tyco Electronics is happy to advise on the use of resistors for pulse applications and to supply information for high voltage use, low-ohmic values, alternative mountings and termination types.

Key Features

- High Power Dissipation in Free Air
 - . No need for a heatsink
- Mechanically Stable in Demanding Environments
 - Durable glass bond coating resists impact and temperatures of 400°C
- Broad Range of Options: Terminal styles, Silicon Coating, Low TCR, Custom Design Capability.
- Gives ultimate design flexibility
- Established Product with Proven Reliability
 - Tyco Electronics quality at a highly competitive price
- A range of 34 Standard Products from 8.5W to 293W
 - Specify the optimum configuration for your application

Type TG Series

PRODUCT PLANNED FOR EOL LTB 18/08/23

Characteristics -Electrical

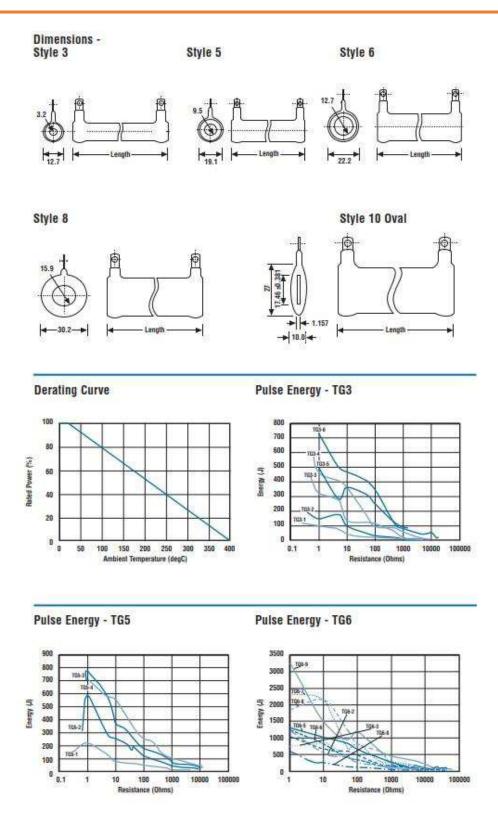
TG Style	Power @ 20°C Watts Hotspot 400°C	Ohmic Range	Length		Code
			Inches	mm	103/02/2011
Style Code 3	20	R24 - 3K0	1.5	38.1	TG3 -1
	29	R39 - 6K2	2.0	50.8	TG3 -2
	39	R51 - 7K5	2.5	63.5	TG3 -3
	49	R68 - 9K1	3.0	76.2	TG3 -4
	58	1R0 - 1K5	4.0	101.6	TG3 -5
	88	1R0 - 18K	5.0	127.0	TG3 -6
Style Code 5	18	R30 - 4K3	1.3	33.3	TG5 -1
	33	R62 - 8K2	2.0	50.8	TG5 -2
	44	R91 - 10K	2.5	63.5	TG5 -3
	53	1R0 - 11K	2.9	73.0	TG5 -4
Style Code 6	31	R62 - 12K	1.8	44.5	TG6 -1
	58	1R0 - 22K	2.9	73.0	TG6 -2
	62	1R0 - 24K	3.0	76.2	TG6 -3
	74	1R0 - 30K	3.5	89.0	TG6 -4
	87	1R0 - 36K	4.0	101.6	TG6 -5
	99	1R0 - 39K	4.5	114.3	TG6 -6
	111	1R0 - 47K	5.0	127.0	TG6 -7
	124	1R0 - 51K	5.5	139.7	TG6 -8
	148	1R0 - 62K	6.5	165.1	TG6 -9
Style Code 8	103	1R0 - 36K	4.0	101.6	TG8 -1
	132	1R0 - 43K	5.0	127.0	TG8 -2
	161	1R0 - 51K	6.0	152.4	TG8 -3
	234	1R0 - 82K	8.5	216.0	TG8 -4
	293	180 - 100K	10.5	266.7	TG8 -5
	22	1R0 - 2K0	1.0	25.4	TG10 -1
Style Code 10 Oval	30	3R6 - 3K0	1.3	33.3	TG10 -2
	45	10R - 5K1	2.0	50.8	TG10 -3
	57	15R - 6K8	2.5	63.5	TG10 -4
	67	18R - 8K2	3.0	76.2	TG10 -5
	79	22R - 10K	3.5	89.0	TG10 -6
	90	24R - 11K	4.0	101.6	TG10 -7
	100	27R - 12K	4.5	114.3	TG10 -8
	110	30R - 13K	5.0	127.0	TG10 -9
	130	36R - 18K	6.0	152.4	TG10 -0
Long Term Stability:		The state of the s	The second secon	lity, resistors must be de	
Luny term o	авину.	Contract of the Contract of th	A CONTRACTOR OF THE PARTY OF TH	inty, resistors must be de ipation must not exceed	
		for 25% of stated Al	R maximum, diss	sipation must not exceed	50% of rating.
Specification:		Maximum Temperature coefficient: Typical Temperature coefficient: Special Low TCR version:		200ppm/oC 60ppm/oC 20ppm/oC	
		Tolerance:		5% standard, 1%, 10% available.	

Applications

- Braking
- Crowbar
- Inrush Limiting
- Balancing
- Capacitor Charging & Discharging
- Filter
- Electrical Machinery

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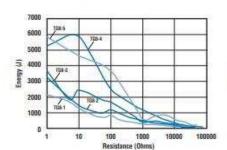




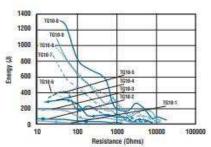
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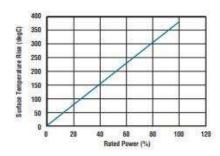
Pulse Energy - TG8

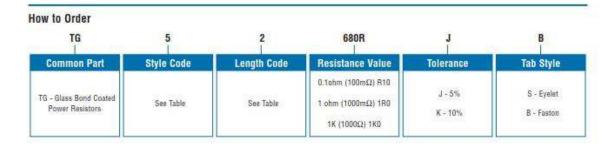


Pulse Energy - TG10



Surface Temperature Rise





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