

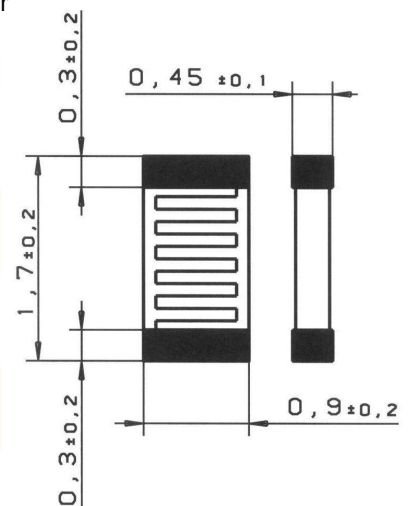
Platinum Resistance Temperature Detector

SMD 0603 (V)

The PRTD SMD 0603 is designed for automatic mounting in large volume applications on printed circuit boards where long time stability, interchangeability combined with low costs are important.

Nominal Resistance R ₀	Tolerance DIN EN 60751 1996-07	Tolerance DIN EN 60751 2009-05	Order Number Plastic Box
1000 Ohm at 0°C	Class B	F 0.6	32 207 638
	Class 2B	F 0.3	32 207 637

Specification	DIN EN 60751	
Tolerance	Class B (R ₀ : ±0.12%) Class 2B (R ₀ : ±0.24%)	
Temperature range	-50°C to +130°C Tolerance Class B or 2B: -50°C up to +130°C	
Temperature coefficient	TCR = 3850 ppm/K	
Soldering connection	End-termination galvanic tin plated with Ni- barrier layer	
Long term stability	max R ₀ -Drift 0,06% after 250h with 130°C	
Environmental conditions	unhoused for dry environments only	
Insulation resistance	> 100 MΩ at 20°C; > 2 MΩ at 130°C (glass cover)	
Measuring current	1000Ω: 0.1 up to 0.3mA (self heating has to be considered)	
Self heating	0.8 K/mW at 0°C	
Reaction time	Flowing water (v= 0.4m/s):	t _{0.5} < 0.1s t _{0.9} < 0.25s
	Air flow (v= 2m/s):	t _{0.5} < 2.5s t _{0.9} < 8 s
Processing instructions	face up-mounting: reflow soldering or wave soldering, e. g. double wave ≤ 8s / 235°C	
Storage life	Min. 9 months (in dry environment)	
Packaging	„Face-up“ in blister reel, 4000 pcs	
Note	Other tolerances, values of resistance are available on request.	



We reserve the right to make alterations and technical data printed. All technical data serves as a guideline and does not guarantee particular properties to any products.

Heraeus Sensor Technology USA

1901 Route 130
North Brunswick, NJ 08902
Phone 732-940-4400 Fax 732-940-4445
Email info.hst-us@heraeus.com
www.hst-us.com

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