

[查询B57150供应商](#)



[捷多邦，专业PCB打样工厂](#)
[, 24小时加急出货](#)

Temperature Measurement

B57150

Leadless Disks

K 1150

Applications

- Automotive electronics, e.g.
 - measurement of cooling water and oil temperature

Features

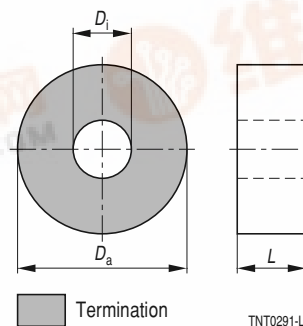
- Washer shape
- Front surfaces silver-plated
- For clamp contacting

Options

Alternative resistance ratings, rated temperatures and resistance tolerances available on request

Delivery mode

Bulk



$$D_a = 6,8 \pm 0,2 \text{ mm}$$

$$D_i = 3,5 \pm 0,3 \text{ mm}$$

$$L = 1,2 \pm 0,5 \text{ mm}$$

Approx. weight 0,1 g

Climatic category (IEC 60068-1)		55/155/21	
Max. power at 25 °C	P_{25}	180	mW
Resistance tolerance	$\Delta R_N/R_N$	$\pm 5 \%$	
Rated temperature	T_N	100	°C
B value tolerance	$\Delta B/B$	$\pm 1,5 \%$	
Dissipation factor (in air)	$\delta_{th}^{(1)}$	approx. 3,2	mW/K
Thermal cooling time constant (in air)	$\tau_c^{(1)}$	approx. 30	s
Heat capacity	$C_{th}^{(1)}$	approx. 96	mJ/K

R_{100}	R_{25}	No. of R/T characteristic	$B_{25/100}$	Ordering code
Ω	Ω		K	
144	2394	2911	4170	B57150K1242J000



1) Depends on mounting situation



Temperature Measurement	B57150
Leadless Disks	K 1150

Reliability data

Test	Standard	Test conditions	$\Delta R_{25}/R_{25}$ (typ.)	Remarks
Storage in dry heat	IEC 60068-2-2	Storage at upper category temperature T: 155 °C t: 1000 h	< 3 %	No visible damage
Storage in damp heat, steady state	IEC 60068-2-3	Temperature of air: 40 °C Relative humidity of air: 93 % Duration: 21 days	< 3 %	No visible damage
Rapid temperature cycling	IEC 60068-2-14	Lower test temperature: – 55 °C Upper test temperature: 155 °C Number of cycles: 100	< 3 %	No visible damage
Endurance		$P_{\max}$: 180 mW t: 1000 h	< 3 %	No visible damage
Long-term stability (empirical value)		Temperature: 125 °C t: 10 000 h	< 5 %	No visible damage

Diese Broschüre ersetzt die vorige Ausgabe.

Fragen über Technik, Preise und Liefermöglichkeiten richten Sie bitte an den Ihnen nächstgelegenen oder an unsere Vertriebsgesellschaften im Ausland. Bauelemente können aufgrund technischer Erfordernisse nicht auf Lager gehalten werden. Auskünfte darüber bitten wir unter Angabe des betreffenden Typs ebenfalls über die zuständige Vertriebsgesellschaft zu erhalten.

Published by EPCOS AG

Corporate Communications, P.O. Box 80 17 09, 81617 Munich, GERMANY

☎ ++49 89 636 09, FAX (0 89) 636-2 26 89

© EPCOS AG 2002. Reproduction, publication and dissemination of this brochure and the information contained herein without EPCOS' prior express consent is prohibited.

Purchase orders are subject to the General Conditions for the Supply of Products and Services of the EPCOS Group, which are recommended by the ZVEI (German Electrical and Electronic Manufacturers' Association), unless otherwise stated.

This brochure replaces the previous edition.

For questions on technology, prices and delivery please contact the Sales Offices of EPCOS AG or the nearest sales representative.

Due to technical requirements components may contain dangerous substances. For information on the handling of these components please also contact one of our Sales Offices.