



REV	DESCRIPTION	DATE	APP
0	INITIAL RELEASE	02/02/2020	DD
REVISION HISTORY			

EI SENSOR TECHNOLOGIES www.ei-sensor.com © COPYRIGHT	RTD ELEMENT	
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P/N ERTD8B101B50	SCALE: NONE	LAYER: 0 OF 2
	REV: 0	DATE: 02/02/2020

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RTD ELEMENT RESISTANCE @ 0°C = 100 Ω NOMINAL  
 RTD ELEMENT ACCURACY @ 0°C = ± 0.40°C  
 RTD ELEMENT ACCURACY DIN 43760 CLASS = "B"

RTD ELEMENT ACCURACY: (-60 TO <0°C) = 0.4 + 0.028 \* t  
 (0 TO +260°C) = 0.4 + 0.007 \* t

TCR = 5,000 ppm/°C  
 DISSIPATION CONSTANT = 7 mW/°C NOMINAL (AIR)  
 THERMAL TIME CONSTANT = 8.5 SECONDS NOMINAL (AIR)  
 MAXIMUM RECOMMENDED APPLIED CURRENT = 1 mA  
 TEMPERATURE RATING = -60 TO +300°C

ROHS COMPLIANT