



RTD ELEMENT RESISTANCE @ 0°C = $500 \Omega \pm 0.12\%$
 RTD ELEMENT ACCURACY @ 0°C = $\pm 0.30^{\circ}\text{C}$
 RTD ELEMENT DIN 43760 ACCURACY CLASS = "B"
 TCR = $3,850 \text{ ppm}/^{\circ}\text{C}$
 TEMPERATURE RATING = -50 TO $+500^{\circ}\text{C}$
 THERMAL TIME CONSTANT = 15 SECONDS MAXIMUM (1m/SEC MOVING AIR)
 DISSIPATION CONSTANT = $2 \text{ mW}/^{\circ}\text{C}$ NOMINAL (1m/SEC MOVING AIR)
 MAXIMUM APPLIED CURRENT = 1 mA

SEE MANUFACTURING SPECIFICATION (LAYER 1)

REV	REVISION RECORD	DATE	APP
"E"	LEAD WIRE LENGTH WAS 0.300" MINIMUM	02/18/16	DD
"D"	MANUFACTURING SPECIFICATION CHANGE	10/11/08	DD
"C"	LEAD WIRE WAS 32 AWG PLATINUM PLATED NICKEL	08/25/05	DD
---	ISO RELEASE	04/11/03	DD
"B"	UPDATED LEAD WIRE AWG & LENGTH, ADDED NOTE	08/14/02	RD
"A"	UPDATED LEAD WIRE AWG & TYPE	07/15/02	RD

SCALE	NONE	U.S. SENSOR CORP. © COPYRIGHT 714-639-1000 www.ussensor.com PLATINUM RTD SENSOR P/N PPG501B1
DRAWN BY	DAN DANKERT	
DATE	07/15/02	
REV.	"E"	
LAYER	0 OF 2	