

WHEN ORDERING SPECIFY THE FOLLOWING:

S103898PD60T260Z96 ← EXAMPLE OF MODEL NUMBER

S103898 SPECIFICATIONS DRAWING NUMBER.

PD SENSING ELEMENT:

CA = COPPER;
 NA = NICKEL;
 PA = PLATINUM;
 PD = PLATINUM; (9)
 PE = PLATINUM.

60 RTD LENGTH L IN .1" INCREMENTS (60 = 6.0").

MIN L = 20 (2.0" [51]);
 MAX L = 350 (35.0" [889]).

T LEADWIRE COVERING:

T = TFE INSULATED LEADS ONLY;
 S = STAINLESS STEEL BRAID OVER TFE INSULATED LEADS.

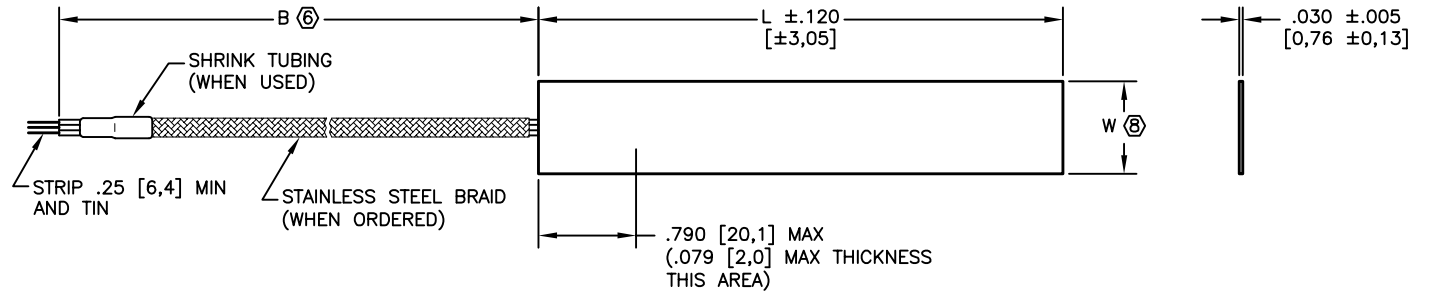
260 RTD WIDTH W IN .001" INCREMENTS (260 = .260").

MIN W = 219 (.219" [5,56]);
 MAX W = 956 (.956" [24,28]).

Z NUMBER OF LEADS: Y = 2 LEADS;

Z = 3 LEADS;
 X = 4 LEADS.

96 LEAD LENGTH B IN INCHES.

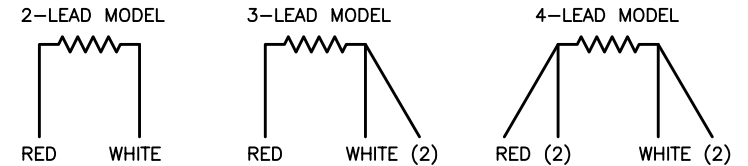


- ELEMENT: WIRE WOUND COPPER, NICKEL, OR PLATINUM.
- RESISTANCE:
 CA COPPER: 10.00 OHMS ±.20% (10.02/9.98) AT 25°C (77°F),
 R/T TABLES #16-9 (°C) AND #17-9 (°F);
 NA NICKEL: 120.0 OHMS ±.5% (120.6/119.4) AT 0°C (32°F),
 R/T TABLES #7-120 (°C) AND #8-120 (°F);
 PA PLATINUM: 100.00 OHMS ±.5% (100.50/99.50) AT 0°C (32°F),
 R/T TABLES #1-100 (°C) AND #2-100 (°F).
 PD PLATINUM: 100.00 OHMS ±.12% (100.12/99.88) AT 0°C (32°F),
 R/T TABLES #5-100 (°C) AND #6-100 (°F).
 PE PLATINUM: 100.00 OHMS ±.5% (100.50/99.50) AT 0°C (32°F),
 R/T TABLES #5-100 (°C) AND #6-100 (°F).
 EXCLUDING LEADWIRE RESISTANCE (SEE APPLICATION AID #18).
- OPERATING TEMPERATURE: 180°C (356°F), CLASS H INSULATION.
- DIELECTRIC STRENGTH: 3,200 VOLTS RMS AT 60 Hz, MOMENTARILY,
 LEADWIRES TO OUTER SURFACES OF RTD AND LEADS, WITH 1 mA MAXIMUM LEAKAGE CURRENT.
- LEADS: AWG #22, STRANDED. SEE MODEL NUMBER MAKEUP ABOVE FOR LEAD COVERING OPTION.
- LEAD LENGTH TOLERANCE:
 +1/-0" [+25/-0] FOR LEAD LENGTH OF 24" [610] OR LESS;
 +5/-0% FOR LEAD LENGTH GREATER THAN 24" [610].
- BODY MATERIAL: HIGH TEMPERATURE EPOXY GLASS.
- RTD WIDTH TOLERANCE:
 +.000/-0.020 [+0,00/-0,51] FOR RTD WIDTH OF .750 [19,05] OR LESS;
 +.000/-0.040 [+0,00/-1,02] FOR RTD WIDTH GREATER THAN .750 [19,05].
- THE PD MODEL WILL MEET THE RESISTANCE-TEMPERATURE RELATIONSHIPS AND TOLERANCES SPECIFIED IN EN 60751, CLASS B.

REVISIONS

REV	DESCRIPTION	DATE	ECO	DR	APPD
A	ADDED PA SENSING ELEMENT OPTION	01-31-07	45019	JAD	BAL
B	ADDED CA AND NA SENSING ELEMENT OPTIONS	04-14-11	1560109	JWR	BAL

SCHMATIC DIAGRAMS



UNLESS OTHERWISE SPECIFIED DIMENSIONS AND TOLERANCES IN [] ARE IN MILLIMETERS						MATERIAL DESCRIPTION	
DR	INITIALS	DATE	ITEM	REQD	INVENTORY NO		
	JAD	11-21-06	TITLE:			MOD-TRONIC INSTRUMENTS LIMITED REWIND SENSORS.COM	
CHK	AJK	12-06-06	RESISTANCE TEMPERATURE DETECTOR				
APP			STICK TYPE				
ENGR	DLW	12-07-06	S103898 SERIES				
QA						S103898 REV B	
PRD	BJF	12-06-06					
FINISH:	NEXT ASSY	CATEGORY				CAGE IDENT. 09359 SHEET 1 OF 1	
USED ON	INIT. JOB	12	INVENTORY NO	SCALE	NONE		
			01-407273				