WHEN ORDERING SPECIFY ESSENTIAL INFORMATION.

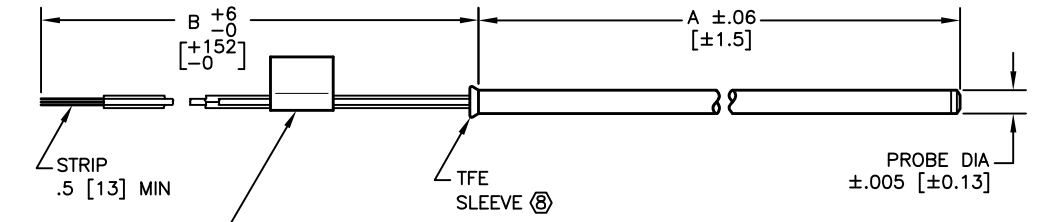
S59PA124Y24 ← EXAMPLE OF MODEL NUMBER

S59	BASE MODEL NUMBER: (SEE TABLE FOR MODEL NUMBER OPTIONS).
PA	ELEMENT TYPE: (SEE TABLE FOR ELEMENT OPTIONS).
124	CASE LENGTH A IN .1" INCREMENTS (124 = 12.4"). MINIMUM A = 40 (4.0") [102]; MAXIMUM A = 1200 (120.0") [3048].
Y	LEADWIRE CONFIGURATION (NUMBER OF LEADS AND COLOR) (SEE SCHEMATIC DIAGRAMS FOR LEAD COLORS). Y = 2 LEADS PER ELEMENT, MINCO U.S. STANDARD COLORS; Z = 3 LEADS PER ELEMENT, MINCO U.S. STANDARD COLORS; X = 4 LEADS PER ELEMENT, MINCO U.S. STANDARD COLORS; V = 2 LEADS PER ELEMENT, IEC/EN 60751 COLORS; W = 3 LEADS PER ELEMENT, IEC/EN 60751 COLORS; U = 4 LEADS PER ELEMENT, IEC/EN 60751 COLORS.
24	LEAD LENGTH B IN 1 INCH INCREMENTS. STANDARD LENGTHS ARE 6", 12", 24", 36", 48", 60", AND 72".

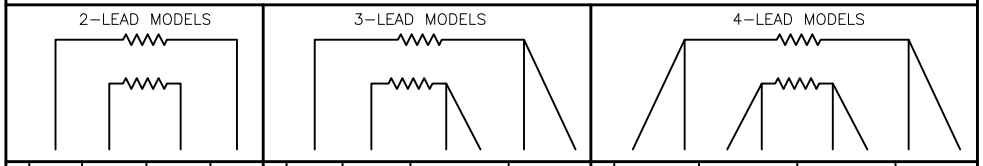
REVISIONS

REV	DESCRIPTION	DATE	ECO	DR	APPD
K	TAB0118 WAS S538/S557/S559 ONLY; REVISED PD ELEMENT TO ±.12%, NUMBER OF LEADS & COLOR OPTION, B LENGTH, ELEMENT OPTIONS, MAX CASE LENGTH, LEAD SIZE NOTE 5; ADDED S223_ MODELS AND LABEL TO LEADS	08–24–15	1694990	WAB	JNB

ELEMENT OPTIONS		ELEMENT RESISTANCE	.188 [4.78] DIA MODEL NUMBERS					.215 [5.46] DIA MODEL NUMBERS				.236 [6.00] DIA MODEL NUMBERS			.250 [6.35] DIA MODEL NUMBERS					AVAILABLE LEAD CONFIGURATIONS					
			S59	S559	S859	S889	S223188	S56	S856	S886	S223215	S138	S538	S223236	S57	S557	S857	S887	S223250	Y	Z	X	V	W	U
CC	COPPER	10.00Ω ±.50% (10.05/9.95) @25°C, 1.42743 TCR					●	●			●			●	●				●		●				
NA	NICKEL	120.0Ω ±.5% (120.6/119.4) @0°C, 1.67196 TCR	●				●	●			●			●	●				●	●	●	●			
PA	PLATINUM	100.0Ω ±.5% (100.5/99.5) @0°C, 1.39261 TCR	●				●	●			●			●	●				●	●	●	●			
PM	PLATINUM	100.00Ω ±.06% (100.06/99.94) @0°C, 1.38500 TCR ⑦		●			●		●		●		●	●		●			●	●	●	●	●	●	●
PD	PLATINUM	100.00Ω ±.12% (100.12/99.88) @0°C, 1.38500 TCR ⑦			●		●		●		●	●		●			●		●	●	●	●	●	●	●
PE	PLATINUM	100.0Ω ±.5% (100.5/99.5) @0°C, 1.38500 TCR				●	●			●	●	●		●				●	●	●	●				
PF	PLATINUM	1000.00Ω ±.12% (1001.20/998.80) @0°C, 1.38500 TCR ⑦				●	●			●	●	●		●			●		●	●	●	●	●	●	●



SCHEMATIC DIAGRAMS



Y	RED	BLUE	YELLOW	WHITE	**Z**	RED	BLUE	YELLOW (2)	WHITE (2)	**X**	RED (2)	BLUE (2)	YELLOW (2)	WHITE (2)
V	WHITE	YELLOW	BLACK	RED	**W**	WHITE	YELLOW	BLACK (2)	RED (2)	**U**	WHITE (2)	YELLOW (2)	BLACK (2)	RED (2)

1. ELEMENT: SEE ELEMENT TABLE.
2. RESISTANCE: SEE ELEMENT TABLE (RESISTANCE EXCLUDES LEADWIRE RESISTANCE).
3. TEMPERATURE RANGE: -50°C TO 260°C (-58°F TO 500°F).
4. INSULATION RESISTANCE: 100 MEGOHMS MINIMUM AT 100 VOLTS DC, BETWEEN ELEMENTS AND LEADS TO PROBE CASE.
5. LEADS: AWG #26, STRANDED, TFE INSULATED.
6. CASE: STAINLESS STEEL, COPPER ALLOY TIP.
7. THE PM, PD, & PF ELEMENT RESISTANCE THERMOMETERS WILL MEET THE RESISTANCE-TEMPERATURE RELATIONSHIP AND TOLERANCES SPECIFIED IN EN 60751 (IEC 751); PM = CLASS A, PD = CLASS B, PF = CLASS B.
8. CASE MAY BE CUT TO SHORTER LENGTH. USE CARE NOT TO DAMAGE LEADWIRE INSULATION. LOCATE THE SLIP-FIT TFE SLEEVE IN END OF CUT-OFF CASE TO PROTECT LEADWIRE INSULATION AT POINT OF EMERGENCE. MINIMUM A FOR CUT-OFF CASE IS 40 (4.0") [102].

UNLESS OTHERWISE SPECIFIED
DIMENSIONS AND TOLERANCES IN INCHES
DIMENSIONS IN [ ] ARE IN MILLIMETERS
ONE PLACE (.0) ±.020 [±0,51]
TWO PLACE (.00) ±.010 [±0,25]
THREE PLACE (.000) ±.005 [±0,13]
ANGLES:

MATERIAL:

FINISH:

	INITIALS	DATE
DR	WAB	08–24–15
CHK	DES	08–27–15
APP		
ENGR	JNB	10–13–15
QA		
PRD	APK	10–13–15
NEXT ASSY		PROD CODE 445
USED ON		INIT. ORDER

ITEM	REQD	INVENTORY NO	MATERIAL DESCRIPTION

TITLE:

RESISTANCE THERMOMETER, DUAL
PROBE TYPE, TIP–SENSITIVE

REF: TAB0118

INVENTORY NO | SCALE NONE | DWG SIZE B

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COMPANY CONFIDENTIAL
PROPRIETARY INFORMATION OF MINCO PRODUCTS, INC.
DO NOT DUPLICATE

S59, S559, S859, S889, S56, S856, S886, S138, S538, S57, S557, S857, S887, S223188, S223215, S223236, S223250

REV K

CAGE IDENT. 09359 | SHEET 1 OF 1

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