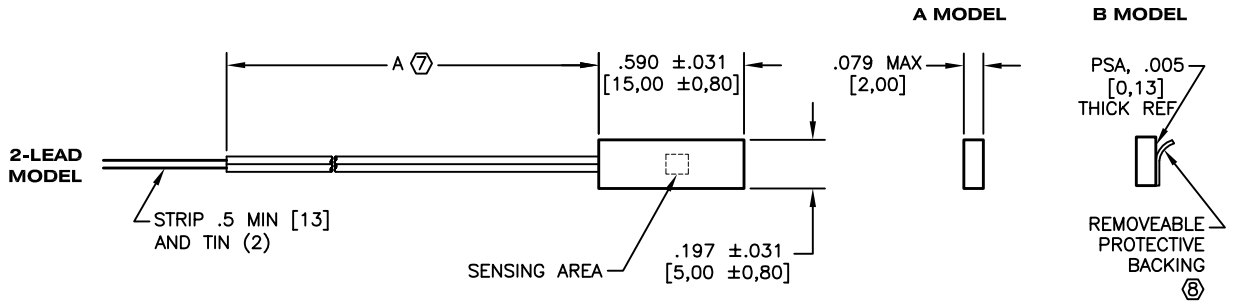
WHEN ORDERING SPECIFY SENSING ELEMENT, NUMBER OF LEADS, LEAD INSULATION, LEAD LENGTH AND OUTER SURFACE TYPE.

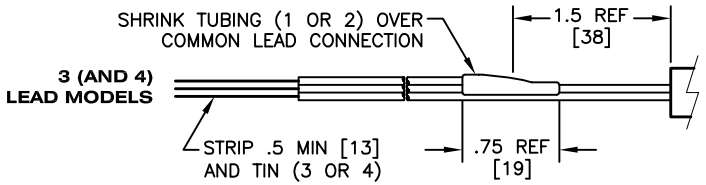
S17624PDYK40A ← EXAMPLE OF MODEL NUMBER

S17624	SPECIFICATIONS DRAWING NUMBER.
PD	SENSING ELEMENT: SEE NOTE ② FOR ELEMENT TYPES AND THEIR CODES.
Y	NUMBER OF LEADS: Y = 2 LEADS; Z = 3 LEADS; X = 4 LEADS.
K	LEAD INSULATION: T = PTFE; K = POLYIMIDE.
40	LEAD LENGTH A IN INCHES. (STANDARD LENGTH = 40" [1000]).
A	OUTER SURFACE TYPE: A = NON-ADHERING; B = ADHERING.

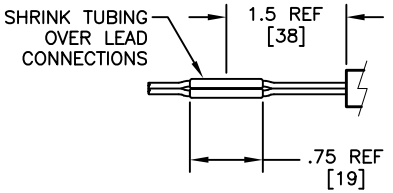
REVISIONS

REV	DESCRIPTION	DATE	ECO	DR	APPD
E	ADDED PW OPTION; 1.5 REF WAS .9 REF	06-23-98	32086	JWR	DLW
F	REVISED PF AND PS ELEMENT R/T TABLES	12-30-99	34931	JWR	DLW
G	ADDED T OR K LEAD INSULATION OPTION	02-21-02	38794	JAD	BAL
H	.75 REF WAS 1.5 REF	06-06-03	40741	JAD	BAL
I	ADDED NB, NA, AND NJ ELEMENT; DELETED NOTE 9; REVISED NOTE 2; REVISED MODEL NUMBER MAKEUP ELEMENT CODE	11-11-03	41321	JAD	DLW
J	PW, ±.12 (1001.2/998.8) WAS ±.2 (1002.00/998.00)	03-16-09	1186933	JAD	BAL
K	ADDED CONNECTION OPTION	03-01-11	1533527	BMP	BAL

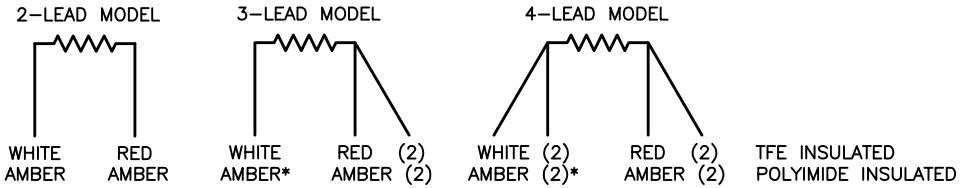




OPTIONAL LEAD WIRE CONNECTION FOR ALL MODELS (2 LEAD MODEL SHOWN)



SCHEMATIC DIAGRAMS



*IDENTIFIED WITH WHITE SHRINK TUBING

1. ELEMENT: PLATINUM OR NICKEL.
② RESISTANCE:
   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). R/T TOLERANCES PER EN 60751 (IEC 751), CLASS B.
   PF PLATINUM: 1000.0 OHMS ±.12% (1001.2/998.8) AT 0°C (32°F), R/T TABLES #5-1000 (°C) AND #6-1000 (°F).
   PS PLATINUM: 10000.0 OHMS ±.12% (10012.0/9988.0) AT 0°C (32°F), R/T TABLES #5-10000 (°C) AND #6-10000 (°F).
   PW PLATINUM: 1000.0 OHMS ±.12% (1001.2/998.8) AT 0°C (32°F), 0.00375 Ω/Ω/°C.
   NB NICKEL: 100.00 OHMS ±.22% (100.22/99.78) AT 0°C (32°F), R/T TABLES #20-100 (°C) AND #6-100 (°F). R/T TOLERANCES PER DIN 43760.
   NA NICKEL: 120.00 OHMS ±.5% (120.60/119.40) AT 0°C (32°F), R/T TABLES #7-120 (°C) AND #8-120 (°F).
   NJ NICKEL: 1000.00 OHMS ±.22% (1002.24/997.76) AT 0°C (32°F), 0.00618 Ω/Ω/°C.
   LEADWIRE RESISTANCE OF APPROXIMATELY .08 OHMS/2-LEAD FOOT IS EXCLUDED IN THE CALIBRATED RESISTANCE OF 2-LEAD MODELS; EXCLUDED IN 3 AND 4-LEAD MODELS (SEE APPLICATION AID #18).
3. TEMPERATURE RANGE: -50°C TO 200°C (-58°F TO 392°F); REDUCING TO 177°C (350°F) FOR **B** MODELS.
4. INSULATION RESISTANCE: 10,000 MEGOHMS MINIMUM AT 500 VOLTS DC, ELEMENT TO OUTER SURFACES.
5. LEADS: AWG #26, STRANDED. SEE MODEL NUMBER MAKEUP ABOVE FOR LEAD INSULATION OPTIONS.
6. INSULATION MATERIAL: POLYIMIDE FILM.
⑦ LEAD LENGTH TOLERANCE:
   +1/-0" [+25/-0] FOR LEAD LENGTH OF 24" [610] OR LESS;
   +5/-0% FOR LEAD LENGTH GREATER THAN 24" [610].
⑧ **B** MODEL HAS REMOVABLE BACKING TO PROTECT THE PRESSURE-SENSITIVE ADHESIVE.

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	JWR	09-02-93
CHK	BAL	11-03-93
APP	BFJ	11-05-93
ENGR	DLW	11-03-93
QA		
PRD	SHR	11-04-93
NEXT ASSY		CATEGORY 01-
USED ON		INIT. JOB

ITEM	REQD	INVENTORY NO	MATERIAL DESCRIPTION

TITLE:
RESISTANCE THERMOMETER
THERMAL-RIBBON
S17624 SERIES

MINCO
www.minco.com

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PROPRIETARY INFORMATION OF MINCO PRODUCTS, INC.
DO NOT DUPLICATE

S17624 REV K

INVENTORY NO | SCALE NONE | DWG SIZE B | CAGE IDENT. 09359 | SHEET 1 OF 1

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