



NOTES:

- 1) - MULTIPLE LEAD WIRES PER OPTION 2 (ONLY 1 SHOWN)
- 2) - INDIVIDUALLY COIL AND LABEL LEAD WIRES WITH JUNCTION LETTERS (JUNCTION A CLOSEST TO TIP). INDIVIDUAL LEAD WIRES ARE NOT BUNDLED TOGETHER.
- 3) - PROBES ARE LOOSELY SUSPENDED INSIDE OUTER TUBE AND ARE NOT REMOVABLE. PROBE TIPS/JUNCTIONS ARE NOT WELDED OR BRAZED TO OUTER TUBE.

PROCESS TEMPERATURES	
MAX TEMP @ TIP:	PER OPTIONS
MAX TEMP @ TRANSITION:	260°C (500°F)

#	DESCRIPTION
1	CABLE CLAMP, PLATED STEEL
2	HEAT SHRINK
3	JMS BONDING AGENT #7
4	JMS POTTING COMPOUND #1
5	PIPE TRANSITION, SS
6	PLUG, SIZE (PER OPTION 7), 2 POLE, THERMOCOUPLE TYPE (PER OPTION 1)
7	SHEATH OR WIRE, THERMOCOUPLE TYPE (PER OPTION 1), MATERIAL (PER OPTION 3)
8	TRANSITION TIP, 316L SS
9	TRANSITION, SUB-MINI, SS
10	TUBING, PROBE Ø (PER OPTION 5), MATERIAL (PER OPTION 3)
11	VINYL TUBING, CLEAR
12	WIRE, THERMOCOUPLE TYPE (PER OPTION 1), INSULATION TYPE (PER OPTION 6)

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Company Name:		Project Name:	
JMS MULTIPPOINT			
Reference Data:	Drawing #:	ERF #: 7478	
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TOLERANCE TABLE: PROBE (L): 0-48" ±1/8" 48"-144" ±1/4" 144"+ -1" / +2" WIRE (L): <24" -1/2" / +1" >24" -1/2" / +2" PROT. TUBE (P&U): ±1/4" FRACTIONAL DIM: ±1/8" DECIMAL DIM: ± 0.10" X.XX ± 0.010" X.XXX ± 0.005" UNLESS STATED OTHERWISE	Approvals	Initials	Date
	Drafting		
	Engineering		
	Second		

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REV. 4-10-2009

OPTION 1	TC PROBE TYPE
	K, N, J, E, T

OPTION 2	JUNCTION QTY	TRANSITION LENGTH	NOTE
2	2	3"	SPECIFY JUNCTION POSITIONS IN OPTIONS 9 - 14. (OMIT POSITIONS AS NEEDED)
3	3		
4	4		
5	5	6"	
6	6		
X	CUSTOMER TO SPECIFY	JMS TO DETERMINE	

OPTION 3	PROBE MATERIAL & STYLE	PROCESS TEMP (MAXIMUM)
KL	316 SS (LOW TEMP)	200°C (392°F)
HL	304 SS (LOW TEMP)	
ML	I600 (LOW TEMP)	
JL	310 SS (LOW TEMP)	
KH	316 SS (HIGH TEMP)	
HH	304 SS (HIGH TEMP)	899°C (1650°F)
MH	I600 (HIGH TEMP)	
JH	310 SS (HIGH TEMP)	
X	CUSTOMER TO SPECIFY	CUSTOMER TO SPECIFY

OPTION 4	X DIMENSION
	CUSTOMER TO SPECIFY

OPTION 5	PROBE Ø
D	.125"
C	.188"
R	.236"
B	.250"
Y	.312"
A	.375"
X	CUSTOMER TO SPECIFY

OPTION 6	WIRE INSULATION TYPE & X2 DIMENSION (INCHES)
F	FIBERGLASS BRAID
FS	FIBERGLASS BRAID W/ SSOB
T	TEFLON
TS	TEFLON W/ SSOB
H	HI-TEMP FIBERGLASS BRAID
HS	HI-TEMP FIBERGLASS BRAID W/ SSOB
K	KAPTON
KS	KAPTON W/ SSOB

OPTION 7	COLD END TERMINATION
A	BARE ENDS (1 1/2")
C	STANDARD PLUGS (SHOWN)
B	MINI-PLUGS
X	OTHER, SPECIFY

OPTION 8	MEASURING JUNCTION
U	UNGROUNDED (STANDARD)
G	GROUNDED

OPTION 9	JUNCTION A
A	SPECIFY DISTACE FROM TIP (INCHES) (STANDARD=0")

OPTION 10	JUNCTION B
B	SPECIFY DISTACE FROM TIP (INCHES)

OPTION 11	JUNCTION C
C	SPECIFY DISTACE FROM TIP (INCHES)
Z	NOT APPLICABLE

OPTION 12	JUNCTION D
D	SPECIFY DISTACE FROM TIP (INCHES)
Z	NOT APPLICABLE

OPTION 13	JUNCTION E
E	SPECIFY DISTACE FROM TIP (INCHES)
Z	NOT APPLICABLE

OPTION 14	JUNCTION F
F	SPECIFY DISTACE FROM TIP (INCHES)
Z	NOT APPLICABLE