



- NOTES:
- HE LEAK TEST @ 1 ATM. 1X10⁻⁶ CC/SEC OR LESS. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST.
 - HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM SOCKET TO SOCKET AND HOUSING WITH MATING CONNECTOR.
 - CONTINUITY TEST: <0.6 OHM SOCKET TO WIRE END WITH MATING CONNECTOR.
 - ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
 - ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
 - ALL PARTS MUST PASS ALL TESTS.
 - WIRE EXIT POSITIONING IS APPROXIMATE & VARIABLE.
 - COSMETIC SURFACE VOIDS NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEAL'S DIAMETER:
 <= .5 [12.7] SEAL DIAMETER: ϕ .035 [.89] MAX ALLOWED VOID SIZE
 > .5 [12.7] SEAL DIAMETER: ϕ .060 [1.5] MAX ALLOWED VOID SIZE
 - REF-OPERATING TEMPERATURE RANGE -20 °C TO 155 °C.
 - DIMENSIONS ARE INCHES [millimeters].
 - ASSEMBLY SHIPS WITH ITEMS 9, 10, 11, & 12 INCLUDED (NOT SHOWN).
 - PAVE-SEAL CAN BE A BI-DIRECTIONAL HERMETIC SEAL FOR VACUUM AND MOST PRESSURES. FOR PRESSURES ABOVE 150 PSI (10 BAR), CHECK WITH SALES ENGINEERING.

PIN-OUT TABLE

POS	ITEM#	T/C# / LEAD COLOR	POS	ITEM#	T/C# / LEAD COLOR
A	5	T/C#1 / RED (-)	V	5	T/C#6 / RED (-)
B	6	T/C#1 / YELLOW (+)	T	6	T/C#6 / YELLOW (+)
M	5	T/C#2 / RED (-)	E	5	T/C#7 / RED (-)
N	6	T/C#2 / YELLOW (+)	D	6	T/C#7 / YELLOW (+)
L	5	T/C#3 / RED (-)	F	5	T/C#8 / RED (-)
U	6	T/C#3 / YELLOW (+)	R	6	T/C#8 / YELLOW (+)
K	5	T/C#4 / RED (-)	G	5	T/C#9 / RED (-)
J	6	T/C#4 / YELLOW (+)	S	6	T/C#9 / YELLOW (+)
C	5	T/C#5 / RED (-)	H	N/A	NONE
P	6	T/C#5 / YELLOW (+)			

ITEM	QTY	PART NUMBER	DESCRIPTION
12	1	M85049/52-1-22N	STRAIN RELIEF CLAMP SHELL SIZE 22, STRAIGHT, NON SELF-LOCKING, NICKEL PLATED ALUMINUM
11	9	M39029/85-455	PIN #16 MIL-C-5015 ALUMEL
10	9	M39029/85-456	PIN #16 MIL-C-5015 CHROMEL
9	1	MS3456L22-14P	PLUG 19#16 PIN NICKEL PLATED ALUMINUM SHELL
8	1	0199	NUT VS22-SS (316SS)
7	1	MS3450L22-14S	RCPT 19#16 SOCKET NICKEL PLATED ALUMINUM SHELL
6	9	M39029-86-464	SOCKET #16 MIL-C-5015 CHROMEL
5	9	M39029-86-463	SOCKET #16 MIL-C-5015 ALUMEL
4	1	-224 VITON	O-RING -224 VITON 75
3	9	GG-K-20-SLE	WIRE THERMOCOUPLE TYPE K GLASS
2	A/R	PAVE-Seal 200	EPOXY BLACK
1	1	0189/304SS	HOUSING VS22-SS

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DESCRIPTION
VS22-SS-200-9P-K16-120-3450S

PART NUMBER
2706

MATERIAL NOTED

REVISION LEVEL
A

PROJECTION

ALL DIMENSIONS AND TOLERANCES APPLY TO FINISHED PART IN INCHES.
 ALLOWABLE TOLERANCES UNLESS SPECIFIED OTHERWISE: NONE ±0.5
 X.X DECIMAL ±0.1 X.XX DECIMAL ±0.02 X.XXX DECIMAL ±0.005
 ANGLES ±1 DEGREE. SURFACE FINISH 128 microinch RMS