



RECOMMENDED RETAINING RING  
TRUARC N5000-56 OR EQUAL

NOTES:

1. LEAK TEST @ 1050 PSI, 1X10<sup>-6</sup> CC/SEC OR LESS, TEST DURATION 1 HOUR MINIMUM. A GREEN PAINT DOT INDICATES THE PART HAS PASSED THE TEST. **FOR 3748 ONLY**, THE O-RINGS (ITEM 7) WILL BE DISCARDED AFTER TESTING & PARTS WILL BE SHIPPED WITHOUT O-RINGS (ITEM 7).
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM CENTER CONDUCTOR TO SHIELD.
3. QUALIFICATION ONLY: 750 LBS PULL TEST ON ITEM 3796.
4. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
5. ALL PARTS MUST PASS ALL TESTS.
6. NO COSMETIC SURFACE VOIDS ARE ACCEPTABLE ON O-RING SEALING SURFACES, COSMETIC SURFACE VOIDS SMALLER THAN φ0.035 [0.89] ARE ACCEPTABLE ON ALL OTHER SURFACES.
7. REF-OPERATING TEMPERATURE RANGE -40°C TO 121°C.
8. 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.
9. ITEMS 9 AND 10 SHALL BE MARKED AS SHOWN IN THE TABLE.
10. **FOR 3748 ONLY**, ASSEMBLY DOES NOT INCLUDE ITEM 10.

PAVE#	X	ITEM 9 MARKING	ITEM 10 MARKING
3748	35 ± .25 [889 ± 6.35]	34228SOCN095323 MFR 67744	N/A
3748-1	64 ± .25 [1625.6 ± 6.35]	W2P2	34228SOCN101676 MFR 67744

ITEM	QTY	PART NUMBER	DESCRIPTION
10	1	M23053/5 1/8 <sup>*SEE NOTE 9</sup>	TUBING SHRINK POLYOLEFIN BLACK W/WHT MARKING PER NOTE 9
9	1	M23053/5 1/8	TUBING SHRINK POLYOLEFIN BLACK W/WHT MARKING PER NOTE 9
8	A/R	DOW CORNING 111	LUBRICANT O-RING SILICONE GREASE NSF 51/61
7	2	NAS1611-012	O-RING -012 EPDM
6	A/R	PAVE-Seal 150	EPOXY BLACK
5	1	3797	WASHER UNS S31603 OR S31653 .465OD X .041THK
4	1	050-1699-001	PLUG SMA MALE STRAIGHT 18 GHz
3	1	421-710	CABLE COAX 50Ohm STORM FLEX 086 FEP
2	1	3796	POST SIGNAL ANTENNA UNS SS31653 OR S31603
1	1	1226A	HOUSING SP8A-E

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

**PAVE technology co.**  
2751 Thunderhawk Court  
Dayton, OH 45414-3445  
U.S.A.  
tel (937) 890-1100  
fax (937) 8905165  
www.pavetechnologyco.com

DESCRIPTION  
SP8A-E-150-1-STORM421710-POST-X

PART NUMBER \*SEE TABLE MATERIAL NOTED  
**3748\***

REVISION LEVEL E PROJECTION