NOTES:
1. LEAK TEST: 1500 PSI, NO BUBBLES 30 SECONDS MINIMUM. A GREEN PAINT DOT INDICATES THE PART HAS PASSED THE TEST.
2. ATTENUATION < .5dB @ 1300nm CONNECTOR TO CONNECTOR.
3. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
4. ALL PARTS MUST PASS ALL TESTS.
5. COSMETIC SURFACE SHOWS NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEAL’S DIAMETER:
   <= .5 [12.7] SEAL DIAMETER: .035 [.89] MAX ALLOWED VOID SIZE
   > .5 [12.7] SEAL DIAMETER: .060 [1.5] MAX ALLOWED VOID SIZE
6. DIMENSION I5 OVER-ALL-LENGTH EXCLUDING OVERFILL ON ATMOSPHERE SIDE OF HOUSING.
7. REF-OPERATING TEMPERATURE -40°C TO 125°C.
8. REF-PARTS ARE DEFLASHED ON PARTING LINE +0.005 [.13] MAXIMUM.
9. DIMENSIONS ARE INCHES [millimeters].
10. 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.

ITEM QTY PART NUMBER DESCRIPTION
8 A/R PARKER O-LUBE LUBRICANT O-RING BARIUM-BASED
7 2 -012 VITON LT O-RING -012 LOW-TEMP VITON V835-75
6 1 911-251-251 CONNECTOR LC FIBER OPTIC SIMPLEX 1PC CONN. 127 35D 2MM S BOOT
5 1 MB5045-16-01 CABLE FIBER MULTIMODE 62.5/125 .078 DIA
4 1 CSPC126NN FERRULE 2.5mm CERAMIC 126 MICRON WITH UPC POLISH
3 1 S04021-1 ADAPTER FO ST PHOSPHER BRONZE
2 A/R PAVE-Seal 150 EPOXY BLACK
1 1 1226M HOUSING SPBM-E

LEVEL PART NUMBER PROJECTION REVISION
1 DEGREE SURFACE FINISH 128 microinch RMS
3740

MATERIAL
G

DESCRIPTION
ALL DIMENSIONS AND TOLERANCES APPLY TO FINISHED PART INCHES.
ALLOWABLE TOLERANCES UNLESS SPECIFIED OTHERWISENOTE 6
0.50  X.X DECIMAL
0.1  X.XX DECIMAL
0.02  X.XXX DECIMAL
0.005
ANGLES
NOTED

PRESSURE ATMOSPHERE
[12.57±0.25] Ø.495±0.010
[9.1 MAX] Ø.36 MAX EPOXY BOSS


[16.3] Ø6 [1.5] MAXIMUM
*SEE NOTE 6

SPBM INSTALLATION PORT
[12.88±0.03] 32/
[16.76 MIN] .66 MIN

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