ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.

ALL PARTS MUST PASS ALL TESTS.

NO VOIDS ARE ACCEPTABLE ON O-RING SEALING SURFACES; VOIDS SMALLER THAN 0.035 \(\text{[.89]}\) ARE ACCEPTABLE ON ALL OTHER SURFACES.

REF-OPERATING TEMPERATURE -40°C TO 125°C.

DIMENSIONS ARE INCHES [MILLIMETERS].

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.

DETAIL A APPLIES TO BOTH O-RING GROOVES.

NOTED DIMENSIONS WILL ENSURE .118 \(\text{[3]}\) MIN SPACING BETWEEN ALL CONDUCTORS AND THE INSTALLATION PORT.

HOUSING IS DEFLASHED ON PARTING LINE +.005 \(\text{[.13]}\) MAXIMUM.

NOTES:
1. LEAK TEST: 150 PSI, NO BUBBLES 100 SECONDS MINIMUM.
2. HYPOT TEST: 630 VDC, 500 MEGOHMS, 0.1s MINIMUM WIRE TO WIRE.
3. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
4. ALL PARTS MUST PASS ALL TESTS.
5. NO VOIDS ARE ACCEPTABLE ON O-RING SEALING SURFACES; VOIDS SMALLER THAN 0.035 \(\text{[.89]}\) ARE ACCEPTABLE ON ALL OTHER SURFACES.
6. REF-OPERATING TEMPERATURE -40°C TO 125°C.
7. DIMENSIONS ARE INCHES [MILLIMETERS].
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. DETAIL A APPLIES TO BOTH O-RING GROOVES.
10. NO TOL DIMENSIONS WILL ENSURE .118 \(\text{[3]}\) MIN SPACING BETWEEN ALL CONDUCTORS AND THE INSTALLATION PORT.
11. HOUSING IS DEFLASHED ON PARTING LINE +.005 \(\text{[.13]}\) MAXIMUM.
12. DIMENSION IS 0A EXCLUDING OVERFILL ON PRESSURE SIDE.

ITEM | QTY | PART NUMBER | DESCRIPTION
--- | --- | --- | ---
7 | 2 | -013 AE-152 | O-RING -013 ETHERYLE ACYRILATE
6 | A/R | PARKER O-LUBE | LUBRICANT O-RING BARUM-BASED
5 | 1 | TZ14 ORG/GRY | WIRE 14TZ MIL-W-22759/34-14
4 | 1 | TZ14 WHF/RED | WIRE 14TZ MIL-W-22759/34-14
3 | 1 | TZ4 BLK | WIRE 14TZ MIL-W-22759/34-14
2 | A/R | PAVE-Seal 150 | EPOXY BLACK
1 | 1 | 4259 | HOUSING SP9M-E

SP9M-E-150-3-TZ14-50-50c

NOTED

1 DEGREE  SURFACE FINISH 128 microinch RMS

ALL DIMENSIONS AND TOLERANCES APPLY TO FINISHED PART IN INCHES.
ALLOWABLE TOLERANCES UNLESS SPECIFIED OTHERWISE: NONE