NOTES:
1. DESIGNED TO BE INSTALLED BY LASER WELDING.
2. SHELL INTERFACE PER MIL-DTL-38999/23 SERIES III
3. CONTACT, ATMOSPHERIC SIDE: BMA COAXIAL PER MIL-STD-348
4. CONTACT, HERMETIC SIDE: SMA PER MIL-STD-348
5. HERMETIC LEAK RATE: \( < 1 \times 10^{-9} \) CC/SEC M<sup>2</sup> AT 1 ATM DIFFERENTIAL PRESSURE.
6. DIELECTRIC WITHSTANDING VOLTAGE: NO EVIDENCE OF BREAKDOWN OR FLASHOVER WHEN SUBJECTED TO 300 VAC RMS 60 Hz
   PER MIL-STD-1844, METHOD 3001.
   DURATION OF APPLICATION SHALL BE 1 SECOND MINIMUM.
7. INSULATION RESISTANCE – GREATER THAN 5,000 MEGOHMS AT
   500 VDC AT 20°C PER MIL-STD-1844, METHOD 3001.
8. ELECTRICAL PERFORMANCE:
   IMPEDANCE: 50 OHMS NOMINAL
   OPERATIONAL FREQUENCY: UP TO 10 GHz
   INSERTION LOSS: \( < 1 \) dB @ 1800 Hz.
9. PART NUMBER SHALL BE IDENTIFIED BY BASE PART NUMBER, TRANSITION MATERIAL,
   SHELL SIZE/CONTACT ARRANGEMENT, KEY PATTERN AND SMA CONNECTOR DIELECTRIC MATERIAL.

ORDER ACCORDING TO THE FOLLOWING

EXAMPLE: PAF3899923-BMA-L - WWB - SS-C4 - B - D

SMA DIELECTRIC MATERIAL
- P: TFK
- T: TFE (TETRAFLON)

KEYPATTERN
- M
- N
- G
- D
- E

SHELL SIZE AND CONTACT ARRANGEMENT
- 11-00 (SHELL SIZE 11, 1 CONTACT)
- 13-75 (SHELL SIZE 13, 2 CONTACTS)
- 17-50 (SHELL SIZE 17, 2 CONTACTS)
- 21-45 (SHELL SIZE 21, 4 CONTACTS)
- 23-06 (SHELL SIZE 23, 6 CONTACTS)
- 25-08 (SHELL SIZE 25, 8 CONTACTS)

WELD TRANSITION MATERIAL
- AL2 = ALUMINUM 6061
- AL3 = ALUMINUM 6063
- SS = STAINLESS STEEL
- PT = TITANIUM GRADE 2

BASE PART NUMBER
- 11-00
- 17-75
- 21-48
- 21-75
- 23-06
- 25-08

MATERIALS:
- SHELL AND SMA BARREL: STAINLESS 304L (PASSIVATED)
- BMA CENTER PIN: KVAR ASTM-F15
- SMA OUTER CONTACT: TETRAFLON COPPER ASTM-B166/197
- SMA CENTER PIN: KVAR ASTM-F15
- INSULATOR: 7500 GLASS
- TRANSITION RING OPTIONS:
  - ALUMINUM 6061
  - ALUMINUM 6063
  - STAINLESS STEEL
  - TITANIUM GRADE 2

SMFA PLATING:
- NS PLATE PER AMS-2014-N-250, 000000/000250 THICK
- SMOOTH PLATE PER ASTM-B565, TYPE III CODE A, 000000/000150

SEE PAGE 2 FOR RECOMMENDED WIRE DETAIL.
RECOMMENDED HOLE DETAIL

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