1.0 MATERIAL & FINISH:

SMPS CONNECTOR:

1 BODY: BERYLLIUM COPPER ALLOY, GOLD PLATED
2 CENTER CONTACT: BERYLLIUM COPPER ALLOY, GOLD PLATED
3 INSULATOR: PTFE

SMA CONNECTOR:

1 BODY: PHOSPHOR BRONZE, GOLD PLATED
2 CENTER CONTACT: BRASS, GOLD PLATED
3 INSULATOR: PTFE
4 COUPLING NUT: STAINLESS STEEL, PASSIVATED
5 RETAINING RING: BERYLLIUM COPPER ALLOY, NICKEL PLATED
6 GASKET: MVQ (SILICONE RUBBER)

1.0 MATERIAL & FINISH:

AFLEX047 CABLE:

1 INNER CONDUCTOR: SILVER PLATED COPPER
2 DIELECTRIC: PTFE
3 OUTER CONDUCTOR: SPRIAL WRAPPED SILVER PLATED COPPER TAPE + SILVER PLATED COPPER
4 JACKET: FEP

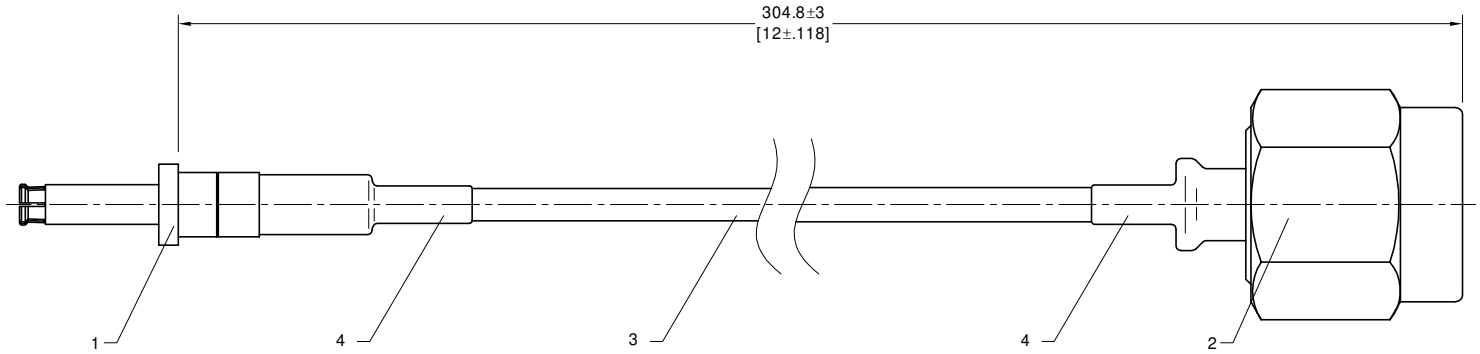
ELECTRICAL DATA:

1 IMPEDANCE: 50 Ω
2 FREQUENCY RANGE: DC~18 GHz
3 VSWR: 1.30 MAX.
4 INSERTION LOSS: 2.30 dB MAX.

ENVIRONMENTAL DATA:

1 TEMPERATURE RANGE: -55℃~+125℃
2 2011/65/EU(RoHS) AND 2015/863/(RoHS): COMPLIANT
3 1999/45/EC(REACH): COMPLIANT

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	09/20/22	J Q



SEQUENCE NUMBER	PART NO.	DESCRIPTION	QTY
4	ANO8.687.101	HEAT-SHRINK TUBING	2
3	AFLEX047	AFLEX047 CABLE	1
2	ANO 2111-2629	SMA STRAIGHT MALE SOLDER FOR .047 CABLE	1
1	ANO 7812-2004 (equal SV 9921-40001)	SMPS FEMALE SOLDER FOR .047 CABLE, BLIND-MATE FOR M38999 SIZE 16 CAVITY	1

DRAWN	P. C	DATE	09/20/22
CHECKED	X. Y	DATE	09/20/22
APPROVED	J Q	DATE	09/20/22

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS, DIMENSIONS IN [ ] ARE IN INCHES FOR CUSTOMER REFERENCE ONLY UNLESS OTHERWISE SPECIFIED TOLERANCE ARE:

.XX	±0.13 [.005"]
.X	±0.20 [.008"]
X	±0.50 [.019"]
.X°	±1°
X°	±2°

ANOISON

TITLE

CABLE ASSEMBLY, M38999 SIZE 16 CAVITY SMPS FEMALE TO SMA STRAIGHT MALE, AFLEX047 CBALE, 12 INCHES

VIEW

PART NO. AF047-SMPSF-SMAM-12

SIZE	SCALE	SHEET	REV.
A3	5:1	1/1	A