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REV. A

DESCRIPTION INITIAL RELEASE

DATE 7/12/2021

APPROVED B. HANSEN

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NOTES:
1. ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
2. ADAPTER TO MEET OR EXCEED ALL SPECIFICATIONS PER MIL-39012.
3. MATING DIMENSIONS IN ACCORDANCE WITH MIL-STD-348.
4. VSWR AND FREQUENCY RANGE SPECIFICATIONS ARE FOR REFERENCE AND ARE DEPENDANT ON CABLE TYPE AND OTHER APPLICATION SPECIFIC CONDITIONS.
5. MATERIAL:
• BODY AND COUPLING NUT: STAINLESS STEEL, PASSIVATED
• CENTER CONTACT: BeCu, GOLD PLATED
• DIELECTRIC: PTFE
6. ELECTRICAL:
• IMPEDANCE: 50 Ω
• FREQUENCY: DC - 18 GHz
• INSERTION LOSS: ≤0.05 x √f(GHz) dB
• CONTACT CURRENT: DC 2.0 A MAX
• CW POWER: 50 W
• RF LEAKAGE: < -60 dB
• CONTACT RESISTANCE:
• CENTER: 3.0 mΩ
• OUTER: 2.5 mΩ
• WORKING VOLTAGE: 335 Vrms
• INSULATION RESISTANCE: 5,000 MΩ MIN
• VSWR:
• 1.12:1 (-25 dB) @ DC - 6 GHz
• 1.20:1 (-21 dB) @ 6 -18 GHz
7. MECHANICAL:
• RECOMMENDED TORQUE: 12 Ncm - 140 Ncm
• TEMPERATURE RANGE: -56°C TO +125°C
• CENTER CONTACT EPOXY CAPTIVATED: ≥27 N
8. COUNTRY OF ORIGIN: S. KOREA
9. RoHS AND REACH COMPLIANT.

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18.6
[.73]

1/4-36UNS-2B THD

SMA MALE

SMA FEMALE

1/4-36UNS-2A THD

EPOXY

8.0 HEX
[.31]

5.5
[.22]

ACROSS FLATS

9.0
[.35]

C

B

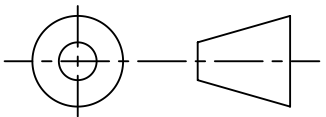
ISOMETRIC VIEW

FULL SCALE

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THIRD ANGLE PROJECTION



REFERENCE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:
X.X = ±0.5 X.X* = ±0.5*
X.XX = ±0.25
X.XXX = ±0.125
DO NOT SCALE DRAWING

MATERIAL
SEE NOTES

TREATMENT
N/A

FINISH
SEE NOTES

PROJECT NO.
A598

APPROVALS
DRAWN WDH
CHECKER
ENGR. B. HANSEN
DESIGN ACTIVITY

DATE
7/12/2021
7/12/2021

TITLE
ADAPTER, SMA MALE TO SMA FEMALE, 50 Ω , INSTRUMENT GRADE

SIZE
B

CAGE CODE
43F45

DWG. NO.
CT3326A

REV.
A

SCALE 2:1

SHEET 1 OF 1

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