NOTES:

1. MATERIALS AND FINISHES:

BODY & SHELL	- STAINLESS STEEL,PASSIVATED
CONTACT	- BeCu,GOLD PLATING
INSULATOR	- PTFE,NATURAL
GASKET	- SILICONE RUBBER,RED
RETAINER RING	- SUS303,NATURAL

2. ELECTRICAL:

A. IMPEDANCE:	50 OHM
B. FREQUENCY RANGE:	DC - 6 GHz
C. AVERAGE INPUT POWER:	2W MAX AT +25°C
DERATED LINEARLY TO	0.5W MAX AT +125°C
D. ATTENUATION:	XX dB ±(SEE TABLE 2D)
[FOR ADDITIONAL VALUES, CONSULT FACTORY]	
E. VSWR:	(SEE TABLE 2E)

3. MECHANICAL:

A. MATING ENGAGEMENT: MIL-STD-348A,SERIES SMA
B. ENGAGE/DISENGAGE FORCE: 2 IN-LBS MAX
C. MATING TORQUE: 8 IN-LBS MAX
D. COUPLING PROOF TORQUE: 15 IN-LBS MIN
E. COUPLING NUT RETENTION: 60 LBS MIN
F. DURABILITY: 500 CYCLES MIN.

dB	DC-4 GHz	4-6 GHz
1-3	±0.3	±0.5
4-6	±0.4	±0.5
7-10	±0.5	±0.5

TABLE 2D
ATTENUATION ACCURACY

dB	DC-2.5 GHz	2.5-4 GHz	4-6 GHz
1-3	1.15:1	1.20:1	1.25:1
4-6	1.15:1	1.20:1	1.25:1
7-10	1.15:1	1.25:1	1.30:1

TABLE 2E
VSWR MAX.

PART NUMBER	ATTENUATION VALUE [dB]
ATS-IMIF-01DB2W	01
ATS-IMIF-02DB2W	02
ATS-IMIF-03DB2W	03
ATS-IMIF-04DB2W	04
ATS-IMIF-05DB2W	05
ATS-IMIF-06DB2W	06
ATS-IMIF-07DB2W	07
ATS-IMIF-08DB2W	08
ATS-IMIF-09DB2W	09
ATS-IMIF-10DB2W	10

TABLE 5B
PART NUMBER IDENFICATION

4. ENVIRONMENTAL:

A. OPERATING TEMPERATURE:	-55°C TO +125°C
B. THERMAL SHOCK:	MIL-STD-202, METHOD 107,CONDITION B (EXCEPT HIGH TEMP +100°C)
C. SHOCK:	MIL-STD-202, METHOD 213,CONDITION I
D. VIBRATION:	MIL-STD-202, METHOD 204,CONDITION ID

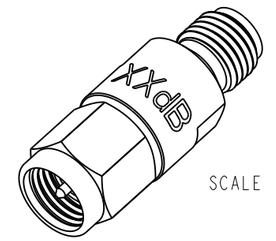
5. PACKAGING:

A. QUANTITY: SINGLE PACK
B. BAG TO BE MARKED: AMPHENOL RF
PART NUMBER (SEE TABLE 5B)
DATE CODE

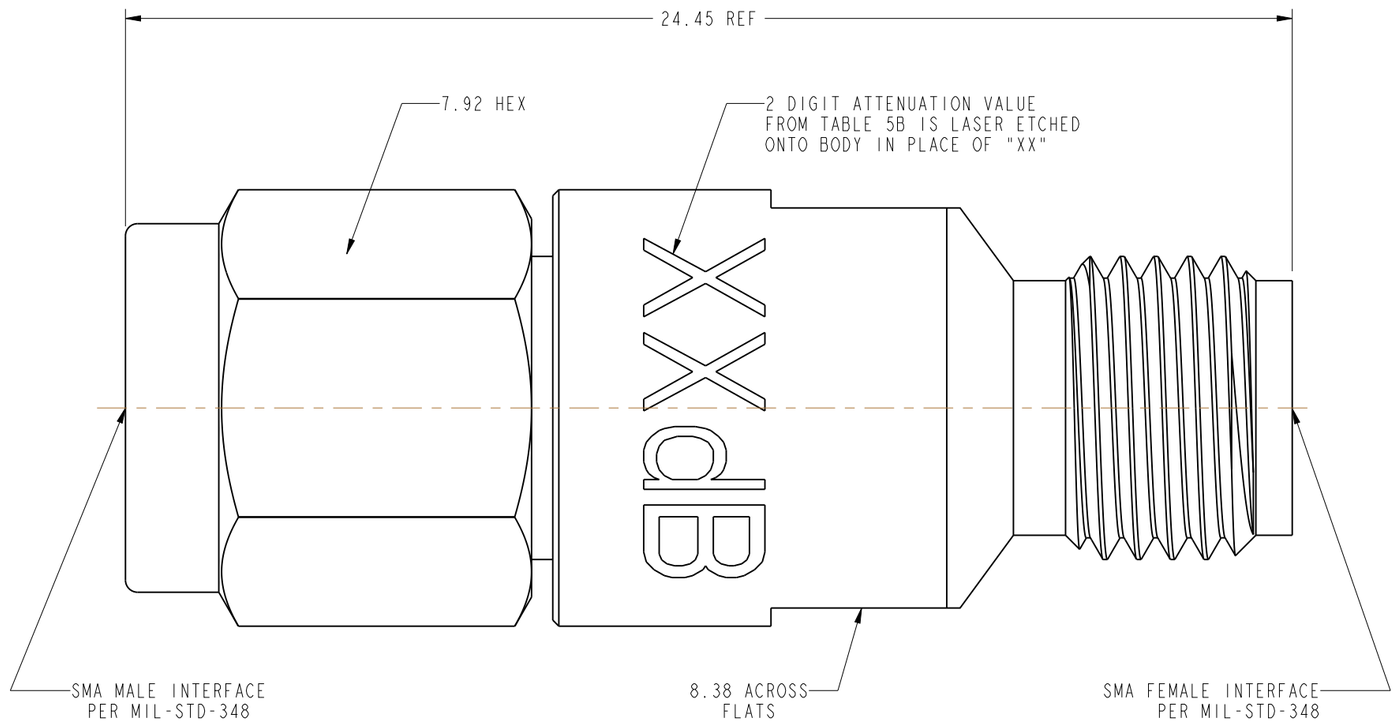
THIRD ANGLE PROJ.

REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	12/15/14	50303	CL/BCG
B	ADDED PART NUMBER TABLE 5B	6/3/15	50413	JN



SCALE 2.000



CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:

<0.5mm	0.5 - 6mm	6 - 30mm	30 - 120mm	ANGLES
± 0.05mm	±0.1mm	±0.2mm	± 0.3mm	±1°

MATERIAL: SEE NOTES	DRAWN: CLEMENT	DATE: 10-Nov-14	TITLE: SMA STR PLUG TO JACK FIXED ATTENUATOR
	ENGINEER: B.GLEISSNER	DATE: 10-Nov-14	
REFERENCE: EAR # 6465	APPROVED: K. CAPOZZI	DATE: 12/11/14	SCALE: 8.0:1.0 SHEET 2 OF 2
CONFIGURATION LEVEL: In Work	CAD FILE		DWG SIZE: B REV: B
FINISH			

Amphenol RF
www.amphenolrf.com

DRAWING NO. ATS-IMIF-XXDB2W
ITEM NO. ATS-IMIF-XXDB2W
PART NO. ATS-IMIF-XXDB2W