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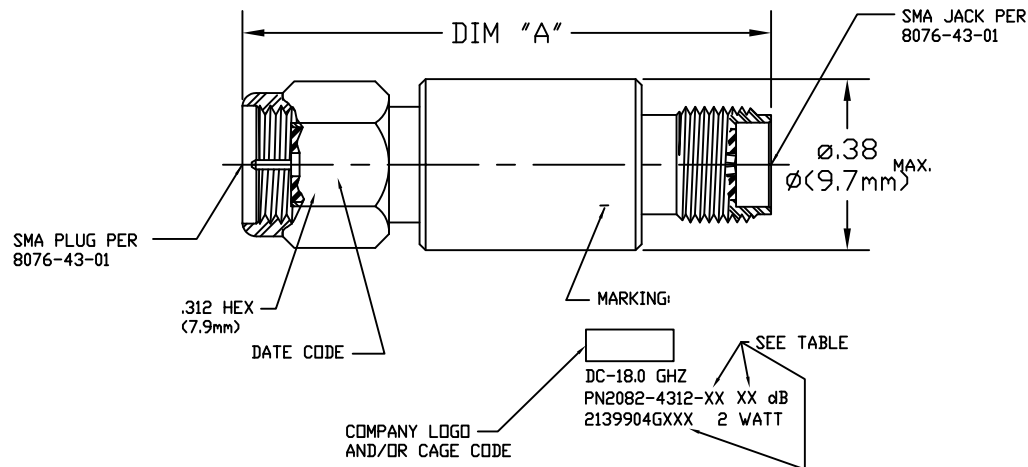
**PRODUCTION
RELEASE**

NOTE:
THIS DRAWING INCORPORATES
THIRD ANGLE PROJECTION.
INTERPRET IAW ANSI Y14.5-1992

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
-	RELEASED	1/1/2007	D. Saunders

SPECIFICATIONS



FREQUENCY RANGE: — DC TO 18.0 GHz
 ATTENUATION: — SEE TABLE
 IMPEDANCE (NOM): — 50 OHMS
 VSWR (MAX): — 1.15 : 1 (DC-4.0 GHz)
 1.30 : 1 (DC-4.0-12.4 GHz)
 (1.35 : 1 for 30 & 40 dB)
 1.35 : 1 (12.4 -18.0 GHz)
 (1.40 : 1 for 30 & 40 dB)

POWER RATING: — 2 WATTS (AVG)
 0.2kW (PEAK)

TEMPERATURE RANGE: — -54°C TO +125°C
 WEIGHT (MAX): — 0.3oz (8.5g)

NOTES:

- MATERIAL:
 CENTER CONDUCTOR: BERYLLIUM COPPER PER QQ-C-530.
 OUTER CONDUCTOR: STAINLESS STEEL,
 CORROSION RESISTANT, PER
 ASTM A484 & A582,
 CLASS 303, COND. A.
 DIELECTRIC: TEFLON PER ASTM D1710.
- FINISH:
 CENTER CONDUCTOR: GOLD PER MIL-G-45204.
 OUTER CONDUCTOR: PASSIVATED PER ASTM A380.
- MECHANICAL & ELECTRICAL REQUIREMENTS
 PER ITT AVIONICS SCD No.
 2139904GXXX, REV. K
- QA & TESTING IAW SSS 2082-4312-00

SEE SHEET 2 FOR
PART No. TABULATIONS

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000	
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	✓
SURFACE ROUGHNESS #INCHES	✓
FINISH	
MATERIAL	

UNLESS OTHERWISE SPECIFIED		
DECIMALS	INCH	DWG
.X"	.03"	[.76]
.XX"	.010"	[.25]
.XXX"	.005	[.127]
.XXXX"	.0005"	[.013]
ANGLES ±0°30'		
REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005" UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.		

DRAWN	DATE
M. TURNER	
CHECKED	DATE
ENGINEER APPR.	DATE
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMA CORP. OR OMNI SPECTRA AND SHALL NOT BE REPRODUCED, COPIED NOR USED - IN WHOLE OR IN PART - AS A BASIS FOR THE MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS WRITTEN PERMISSION OF XMA CORP.	

XMA Powered by:
Omni Spectra®
 Phone:603-222-2256 Fax:603-222-2259
 150 Dow Street, Manchester, NH 03101

TITLE
**SCD CONTROLLED
 SMA ATTENUATOR**

SIZE	CAGE CODE	DRAWING NUMBER
B	3HT76	2082-4312-DB
SCALE 1:1	PLATED AREA SQ. IN XXX	SHEET 1 OF 2

BCSI

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
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INTERPRET IAW ANSI Y14.5-1992

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
F	REDRAWN	1/2/2007	D. Saunders

D

C

B

A

D

C

B

A

Omni Spectra Model No.	ITT P/N	NOM.	ATTENUATION (dB)		DIM. A (Length) (mm)
			DC-12.4 GHz.	12.4-18.0 GHz.	
2082-4312-00	2139904GD14	0.0	+0.3	±0.4	L = 1.22 +.02 (31.0mm) -.08 (2.03mm)
-01	01	1.0	±0.3	±0.4	
-02	02	2.0	±0.3	±0.4	
-03	03	3.0	±0.3	±0.3	
-04	04	4.0	±0.3	±0.3	
-05	05	5.0	±0.3	±0.3	
-06	06	6.0	±0.3	±0.3	
-07	07	7.0	±0.4	±0.5	
-08	08	8.0	±0.4	±0.5	
-09	09	9.0	±0.4	±0.5	
-10	10	10.0	±0.3	±0.5	
-11	16	11.0	±0.5	±0.6	
-12	17	12.0	±0.5	±0.6	
-13	18	13.0	±0.5	±0.6	
-14	19	14.0	±0.5	±0.6	
-15	15	15.0	±0.5	±0.6	
-16	20	16.0	±0.5	±0.6	
-17	21	17.0	±0.5	±0.6	
-18	22	18.0	±0.5	±0.6	
-19	23	19.0	±0.5	±0.6	1.22 +.02 (31.0mm) -.08
-20	11	20.0	±0.5	±0.6	
-30	12	30.0	±0.8	±1.0	1.47 MAX (37.3mm)
2082-4312-40	2139904GD13	40.0	±0.8	±1.0	1.47 MAX (37.3mm)

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000	UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	TOLERANCES IN:
SURFACE ROUGHNESS #INCHES 63 ✓	DECIMALS INCH DIM [.]
FINISH SEE NOTES	.X" .03" [.76]
MATERIAL SEE NOTES	.XX" .010" [.25]
	.XXX" .005 [.127]
	.XXXX" .0005" [.013]
	ANGLES ±0°30'
	REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005" UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.

DRAWN M. TURNER	DATE
CHECKED	DATE
ENGINEER APPR.	DATE
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TITLE
**SCD CONTROLLED
SMA ATTENUATOR**

SIZE B	CAGE CODE 3HT76	DRAWING NUMBER 2082-4312-DB
SCALE 1:1	PLATED AREA SQ. IN XXX	SHEET 2 OF 2

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BCSI