

ROHS COMPLIANT

PRODUCT DATA DRAWING

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
D	DCN 38201	05/11	PJS

MATERIAL:

BODIES,
COUPLING NUT:

STAINLESS STEEL PER AMS-5640,
ALLOY UNS S30300, TYPE 1

LOCK RINGS,
CONTACTS:

BERYLLIUM COPPER PER ASTM B196,
ALLOY No. UNS C17300, TD04

SLEEVE:

BRASS PER ASTM B16, ALLOY UNS No. C36000

BELLOWS:

ELECTRO-DEPOSITED GOLD OVER NICKEL

INSULATORS:

PTFE PER ASTM D1710, TYPE I, GRADE 1, CLASS B

GASKETS:

SILICONE RUBBER PER A-A-59588,
CLASS 2B, GRADE 50/60

RESISTOR ELEMENTS:

ALUMINA SUBSTRATE WITH
TANTALUM NITRIDE RESISTOR

FINISH:

BODIES,
COUPLING NUT:

PASSIVATED PER AMS-2700

CONTACTS,
SLEEVE:

GOLD PER ASTM B488, TYPE II,
CODE C, CLASS 1.27; OVER NICKEL
PER AMS-QQ-N-290, CLASS 1, .00005" MIN.

PERFORMANCE:

IMPEDANCE:

50 OHMS

FREQ. RANGE:

DC TO 18.0 GHz

VSWR:

SEE TABLE 1

OPERATING TEMP.:

-55°C TO +125 °C

AVG. POWER:

2 WATT (POWER INPUT DERATED LINEARLY
FROM 25°C TO 0.5 WATTS AT 125°C)

PEAK POWER:

500 WATTS (PEAK POWER FOR A DUTY CYCLE
OF 5X10-4 MAXIMUM PULSE DURATION OF
5 MICROSECONDS)

TABLE 1

dB VALUE	ATTENUATION ACCURACY	VSWR			
		DC-4 GHz	4-8 GHz	8-12.4 GHz	12.4-18 GHz
0-2.5 dB	±0.4 dB	1.15:1	1.20:1	1.25:1	1.35:1
3-6.5 dB	±0.3 dB				
7-15.5 dB	±0.5 dB				
16-20 dB	±0.7 dB				

"XX" NUMBER TO dB VALUE CHART

"XX" NUMBER	dB VALUE
-01	3
-02	6
-03	10
-04	20
-05	1
-06	2
-07	4
-08	5
-09	7
-10	8
-11	9
-16	0
-17	0.5
-18	1.5

"XX" NUMBER	dB VALUE
-19	2.5
-20	3.5
-21	4.5
-22	5.5
-23	6.5
-24	7.5
-25	8.5
-26	9.5
-27	10.5
-28	11
-29	11.5
-30	12
-31	12.5
-32	13

"XX" NUMBER	dB VALUE
-33	13.5
-34	14
-35	14.5
-36	15
-37	15.5
-38	16
-39	16.5
-40	17
-41	17.5
-42	18
-43	18.5
-44	19
-45	19.5

MATERIAL: SEE NOTES

FINISH: SEE NOTES

SURFACE AREA: N/A

PROPRIETARY

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SV MICROWAVE, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SV MICROWAVE, INC IS PROHIBITED.

DIMENSIONS ARE IN INCHES TOLERANCES:
FRACTIONAL: ±1/64 ANGULAR: X° ±1°0' X°X' ±15'
DECIMAL: .X ±.030
.XX ±.010
.XXX ±.005
INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED

1) ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
2) ALL DIMENSIONS ARE AFTER PLATING.
3) BREAK CORNERS & EDGES .005 R. MAX.
4) CHAM. 1ST & LAST THREADS.
5) SURFACE ROUGHNESS 63. MIL-STD-10.
6) DIA.'S ON COMMON CENTERS TO BE CONCENTRIC WITHIN .005 T.I.R.
7) REMOVE ALL BURRS

DRAWN: MEB 01/31/03
CHECKED: STW 01/31/03
APPROVED: STW 01/31/03

SV Microwave, Inc.

2400 Centrepark West Drive, Suite 100
West Palm Beach, FL 33409

TITLE: SMA JACK TO PLUG
DC-18 GHz
ATTENUATOR

SIZE: B CAGE CODE: 95077 DWG. NO.: M3933/16-XX

SCALE: 4:1 SHEET 1 OF 1

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Amphenol:

[M3933/16-38S](#) [M3933/16-43N](#) [M3933/16-43S](#) [M3933/16-41N](#) [M3933/16-37S](#) [M3933/16-39N](#) [M3933/16-41S](#)
[M3933/16-35N](#) [M3933/16-45S](#) [M3933/16-33N](#) [M3933/16-20S](#) [M3933/16-35S](#) [M3933/16-33S](#) [M3933/16-31S](#)
[M3933/16-39S](#) [M3933/16-44S](#) [M3933/16-29N](#) [M3933/16-42S](#) [M3933/16-45N](#) [M3933/16-37N](#) [M3933/16-29S](#)
[M3933/16-24S](#)