

**PERFORMANCE SPECIFICATIONS:**

FREQUENCY RANGE: DC – 23 GHz  
 STANDARD dB VALUES: 0–10, 12, 15, 20, 30dB

ATTENUATION ACCURACY: DC–18 GHz 18–23 GHz  
 0 – 6dB ±0.3 dB ±0.4 dB  
 7 – 20dB ±0.5 dB ±0.6 dB  
 21 – 30dB ±0.75 dB ±0.8 dB

VSWR:  
 DC – 4GHz 1.15:1 MAX.  
 4 – 8GHz 1.20:1 MAX.  
 8 – 12.4GHz 1.25:1 MAX.  
 12.4 – 18GHz 1.35:1 MAX.  
 18 – 23GHz 1.40:1 MAX.

INPUT POWER: 2 WATTS AVG. @ 25°C DERATED  
 LINEARLY TO 0.5W @ +125°C

PEAK POWER: 250W MAX., (5uSec PULSE,  
 0.05% DUTY CYCLE)

IMPEDANCE: 50 OHMS  
 OPERATING TEMP. RANGE: –65°C TO +125°C

MATERIALS:  
 2.9mm CONNECTORS: PASSIVATED STAINLESS STEEL  
 CONDUCTORS: Au PLATED BERYLLIUM COPPER

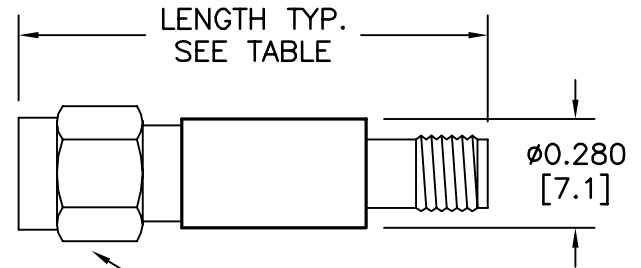
**ORDERING INFORMATION:**

FREQ. RANGE	MODEL NO.
DC–6.5 GHz	3105
DC–12.4 GHz	3106
DC–18.0 GHz	3107
DC–23.0 GHz	3108

WHEN ORDERING, INSERT THE DESIRED FREQ. RANGE, & dB VALUE INTO THE MODEL NUMBER:

EX. MOD.# 3107–6 = DC–18.0GHz, 6dB ATTENUATOR.

THE ABOVE NOTED dB VALUES, AND FREQ. RANGES ARE STD. MODELS ONLY. UNITS WITH SPECIAL CONNECTORS, FREQ. RANGES, AND dB VALUES ARE AVAILABLE ON SPECIAL ORDER.



SMA CONNECTORS  
 PER MIL–C–39012 TYP.

**PHYSICAL SPECIFICATIONS:**

MODEL	dB VALUE	DIMENSION A (LENGTH)
26.5GHz	0–12dB	0.86 ±.05 [21.8 ±1.3]
	13–30dB	0.99 ±.05 [25.1 ±1.3]

NOTE: DIMENSIONS IN BRACKETS DENOTE MILLIMETERS.

THIRD ANGLE PROJECTION:		APPROVALS	DATE		ADVANCED TECHNICAL MATERIALS, INC.		THE INFORMATION IN THIS DRAWING IS PROPRIETARY AND SHALL NOT BE USED OR DISCLOSED WITHOUT THE PRIOR WRITTEN CONSENT OF ATM INC. DO NOT SCALE DWGS.			
UNLESS OTHERWISE NOTED, DIMENSIONS ARE IN INCHES, TOLERANCES ARE: FRACTIONS: ±1/64 ANGLES: ±1/2°		DRAWN <b>RL</b>	<b>07/02/07</b>		TEL: (631) 289-0363 FAX: (631) 289-0358 www.atmmicrowave.com					
BASIC DIMENSION		DECIMALS 2 PLACE 3 PLACE		APRVD.		<b>OUTLINE, FXD ATTEN. SMA, DC–23.0 GHz</b>				
UNDER 6"	<b>±.02</b>	<b>±.005</b>	MATERIAL –		SIZE <b>A</b>			CAGE CODE 0R8N4	ATM DWG # <b>8170W</b>	REVISION <b>A</b>
6" – 12"	<b>±.03</b>	<b>±.010</b>	TREATMENT –		SCALE <b>NONE</b>			MODEL # <b>SEE NOTES</b>	SHEET <b>1/1</b>	
OVER 12"	<b>±.06</b>	<b>±.015</b>	FINISH –							