REV	AUTH	DATE	
A	RL	07/02/07	INITIAL RELEASE

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	

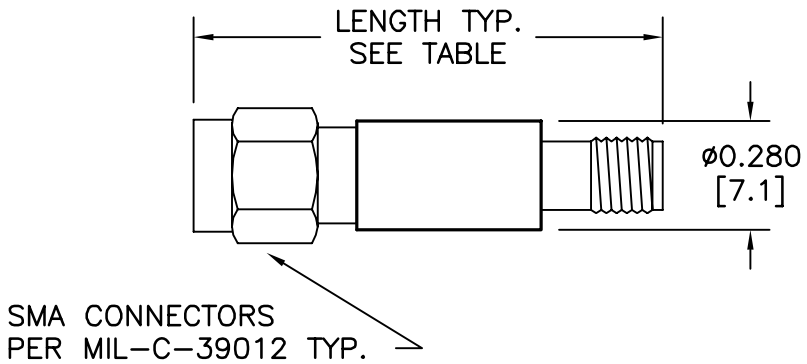
ORDERING INFORMATION:

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.



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
UNLESS OTHERWISE NOTED, DIMENSIONS ARE IN INCHES, TOLERANCES ARE: FRACTIONS: ±1/64 ANGLES: ±1/2°			DRAWN RL	07/02/07
			CHKD.	
BASIC DIMENSION	DECIMALS 2 PLACE	3 PLACE	APRVD.	
UNDER 6"	±.02	±.005	MATERIAL –	
6" – 12"	±.03	±.010	TREATMENT –	
OVER 12"	±.06	±.015	FINISH –	

ADVANCED TECHNICAL MATERIALS, INC.
TEL: (631) 289-0363 FAX: (631) 289-0358
www.atmmicrowave.com

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 DWG.

OUTLINE, FXD ATTEN.
SMA, DC–23.0 GHz

SIZE	CAGE CODE	ATM DWG #	REVISION
A	0R8N4	8170W	A
SCALE NONE		MODEL # SEE NOTES	SHEET 1/1