

REV. A	AUTH. R.L.	DATE 1/30/03	INITIAL RELEASE	APPROVED
REV. B	AUTH. R.L.	DATE 3/19/03	REVISED TOLERANCES.	APPROVED

**PERFORMANCE SPECIFICATIONS:**

FREQUENCY RANGE: DC – 18 GHz  
 STANDARD VALUES: 3, 6, 10, 20, 30 dB  
 AVAILABLE VALUES: 0 – 60 dB  
 ACCURACY OF ATTENUATION:  
 0 – 6dB ±0.3 dB  
 7 – 20dB ±0.5 dB  
 21 – 30dB ±0.75 dB  
 31 – 60dB ±1.50 dB  
 VSWR:  
 DC – 4 GHz 1.15:1 MAX.  
 4 – 8 GHz 1.20:1 MAX.  
 8 – 12.4 GHz 1.25:1 MAX.  
 12.4 – 18 GHz 1.35:1 MAX.

INPUT POWER: 2 WATTS AVERAGE AT 25°C  
 DERATED LINEARLY TO 0.5W  
 AT 125°C

PEAK POWER: 250 WATTS MAX. (5µSEC PULSE,  
 .05% DUTY CYCLE)

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

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

**PHYSICAL SPECIFICATIONS:**

CONN. CONFIG.	WEIGHTS (g)	DIMENSION A
MALE/FEMALE	0-30dB	1.205 ±.025
	8.4g	[30.61 ±.64]
	31-60dB	1.484 ±.025
	12.3g	[37.72 ±.64]

NOTE: DIMENSIONS IN BRACKETS DENOTE MILLIMETERS.

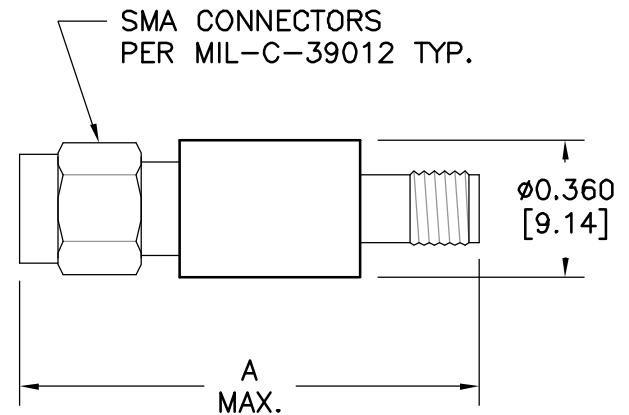
**ORDERING INFORMATION:**

FREQ. RANGE MODEL NO.  
 DC-8.0 GHz 2105  
 DC-12.4 GHz 2106  
 DC-18.0 GHz 2107

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

EX. MOD.# 2106-6 = DC-12.4GHz – 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.



MATERIAL -	TREATMENT -	DRAWN R. LYNCH	DATE 01/30/03		
FINISH -	MOD NO. 210X-XX	CHECKED	DATE		
<b>OUTLINE, COAXIAL FIXED ATTENUATORS, 2 WATT, (SMA) DC - 18.0 GHz</b>		APPROVED	DATE		
		CAGE CODE: ORBN4	DO NOT SCALE DWG		
ADVANCED TECHNICAL MATERIALS, INC. 49 RIDER AVE., PATCHOGUE N.Y. 11772 TEL: (631) 289-0386 FAX: (631) 289-0358 http://www.atmmicrowave.com		UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES TOLERANCES ARE:	FRACTIONS ±1/64 DECIMALS ±.01 ANGLES ±1/2°	SHEET. 1/1	
		PROPRIETARY NOTICE: THE INFORMATION IN THIS DRAWING IS PROPRIETARY AND SHALL NOT BE USED OR DISCLOSED WITHOUT THE PRIOR WRITTEN CONSENT OF ATM, INC.	SCALE 2 : 1	DWG. NO. 3532W	REV. B