

Cryogenic Coax Attenuators

DC-18GHz, 2W, SMA, Non-Magnetic

Model: LF-XX-A2-CA-18_SSMP

FEATURE:

- Frequency: DC to 18 GHz
- Max Power: 2W
- Capable of operation at 10 mK
- Non-Magnetic
- 50 Ohm Matched Input / Output

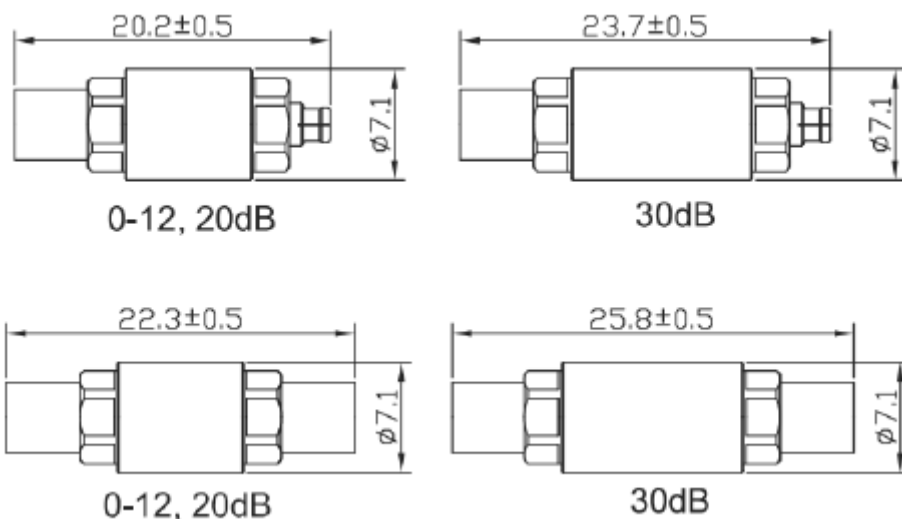
ELECTRICAL:

Parameter	Min.	Typ.	Max.	Units
Frequency range	0~10/12/15/20/30B			dB
Attenuation Accuracy	0dB		+0/-0.4	dB
	1-6dB		±0.6	
	10-20dB		±1.2	
	30dB		±1.5	
VSWR	DC-4GHz		1.15	:1
	4-12.4GHz		1.25	
	12.4-18GHz		1.35	
	12.4-18GHz (0dB Only)		1.45	
Input Power			2	W
Impedance	50			Ohms

MECHANICAL:

Parameter	Value	Units
Input / Output Connector	SSMP	
Case Material	BeCu	
Finish	Gold Plated	
Resistor Material	Proprietary Thin Film	

OUTLINE DRAWING:



ENVIRONMENTAL CONDITIONS:

Parameter	Min	Typ.	Max	Units
Operating Temperature	10mk		+85	C
Non-operating Temperature	-55		+125	C
Relative humidity	100% RH at 35C, 95%RH at 40C			%
Altitude	50,000			feet
Shock/Vibration (MIL-STD-810F)	25g rms (15degree 2KHz) endurance, 1 hour per axis			
Shock (non operating)	20G for 11 msc half sin wave, 3 axis both directions			

ORDERING INFORMATION:

Part Number		Standard dB Values
SSMP Male / SSMP Female	SSMP Male / SSMP Male	
LF-00-A2-CA-18_SSMP_MF	LF-00-A2-CA-18_SSMP_MM	0dB
LF-01-A2-CA-18_SSMP_MF	LF-01-A2-CA-18_SSMP_MM	1dB
LF-02-A2-CA-18_SSMP_MF	LF-02-A2-CA-18_SSMP_MM	2dB
LF-03-A2-CA-18_SSMP_MF	LF-03-A2-CA-18_SSMP_MM	3dB
LF-04-A2-CA-18_SSMP_MF	LF-04-A2-CA-18_SSMP_MM	4dB
LF-05-A2-CA-18_SSMP_MF	LF-05-A2-CA-18_SSMP_MM	5dB
LF-06-A2-CA-18_SSMP_MF	LF-06-A2-CA-18_SSMP_MM	6dB
LF-07-A2-CA-18_SSMP_MF	LF-07-A2-CA-18_SSMP_MM	7dB
LF-08-A2-CA-18_SSMP_MF	LF-08-A2-CA-18_SSMP_MM	8dB
LF-09-A2-CA-18_SSMP_MF	LF-09-A2-CA-18_SSMP_MM	9dB
LF-10-A2-CA-18_SSMP_MF	LF-10-A2-CA-18_SSMP_MM	10dB
LF-12-A2-CA-18_SSMP_MF	LF-12-A2-CA-18_SSMP_MM	12dB
LF-15-A2-CA-18_SSMP_MF	LF-15-A2-CA-18_SSMP_MM	15dB
LF-20-A2-CA-18_SSMP_MF	LF-20-A2-CA-18_SSMP_MM	20dB
LF-30-A2-CA-18_SSMP_MF	LF-30-A2-CA-18_SSMP_MM	30dB