

Cryogenic Coax Attenuators

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

Model: LF-XX-A2-CA-18

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		DC-18			GHz
Standard dB Values		0~10/12/15/20/30dB			dB
Attenuation Accuracy	0dB			±0.4	dB
	1-6dB			±0.3	
	10-20dB			±0.5	
	30dB			±0.8	
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	SMA Male/SMA Female	
Case Material	OFHC Copper	
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
LF-00-A2-CA-18	0dB
LF-01-A2-CA-18	1dB
LF-02-A2-CA-18	2dB
LF-03-A2-CA-18	3dB
LF-04-A2-CA-18	4dB
LF-05-A2-CA-18	5dB
LF-06-A2-CA-18	6dB
LF-07-A2-CA-18	7dB
LF-08-A2-CA-18	8dB
LF-09-A2-CA-18	9dB
LF-10-A2-CA-18	10dB
LF-12-A2-CA-18	12dB
LF-15-A2-CA-18	15dB
LF-20-A2-CA-18	20dB
LF-30-A2-CA-18	30dB