

High-density Cryogenic Coaxial Attenuators

24 channel /SSMP Female/ SSMP Female/DC-18 GHz Model: TAXXA0-SSMP-18-24

Cryogenic microwave attenuators are used in different stages of the thermal dilution refrigerator to reduce the noise in the signal. The RF lines within each layer increases the signal-to-noise ratio (SNR), requiring the attenuator for the thermalized layer to protect the signal level.. Attenuation is offered in 0, 10, and 20 dB configurations and supports bandwidth up to 18 GHz.

Features:

- Frequency range: DC to 18 GHz
- Max power handling: 200 mW

Applications:

- Dilution refrigerators/Cryogenic devices
- Quantum Computing

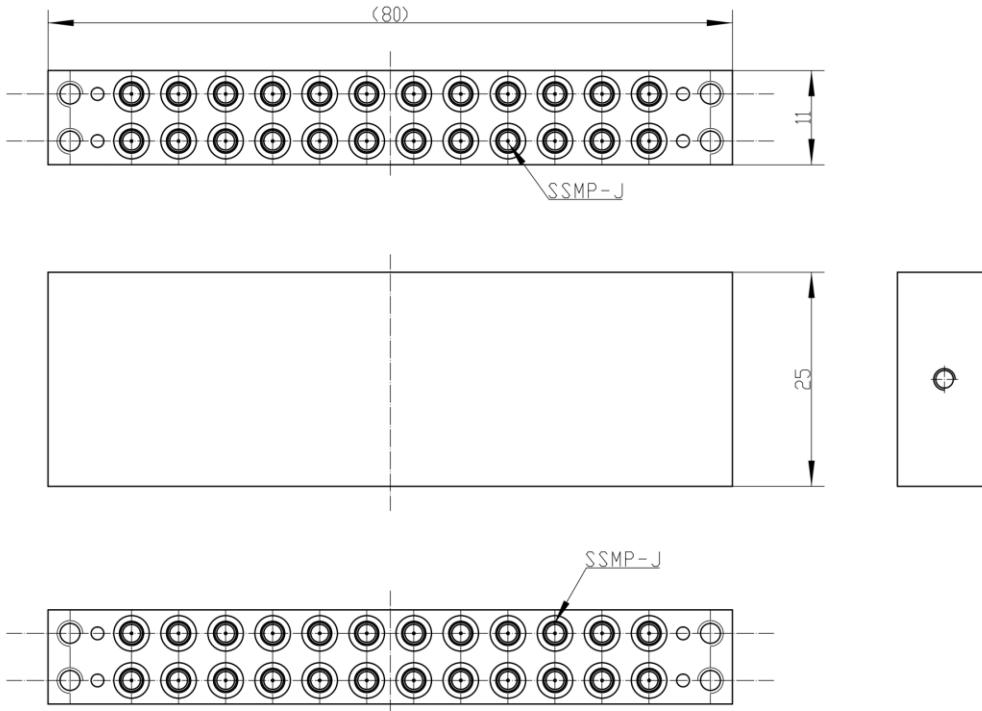
Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
VSWR		1.25	1.35	:1
Attenuation	0,3,6,10,20			dB
Power			0.2	W
Impedance		50		ohm

Environmental And Physical Characteristics:

Description	Parameter	Units
Operating Temperature	10mK To +200	°C
Storage Temperature	-55 to +200	°C
Of Channels	24	
Packaging case	Gold Plated OFHC Copper	
Connector	SSMP Male to Male	

Outline Drawing: Unit:mm



Ordering Information:

Base Number	Standard dB Values	Revision
TA00A0-SSMP-18-24	0dB	Rev.1.1
TA03A0-SSMP-18-24	3dB	Rev.1.1
TA06A0-SSMP-18-24	6dB	Rev.1.1
TA10A0-SSMP-18-24	10dB	Rev.1.1
TA20A0-SSMP-18-24	20dB	Rev.1.1
TA30A0-SSMP-18-24	30dB	Rev.1.1