

## FSA28A

DC~28GHz, 0~90dB, 25W

### Features:

- \* Low VSWR
- \* High Attenuation Flatness

### Applications:

- \* Wireless
- \* Transmitter
- \* Laboratory Test
- \* Radar

### Description

FSA28A series Rotary Stepped Attenuators cover frequency range DC~28GHz. Rotary stepped attenuators can adjust the power level of microwave circuit in a certain frequency range by step.

### Specifications

Frequency (GHz)	Attenuation Range/Step (dB)	VSWR (Max.)	IL (dB Max.)	Attenuation Accuracy ( $\pm$ dB)	Avg Power (W)	Connectors
DC~18		1.6	1	0.8	2, 10	SMA, 3.5mm
DC~26.5	0~9/1	1.7	1.8	1		
DC~28		1.75	1.8	1.5	10	
DC~26.5	0~60/10	1.75	1.8	1.5 or 4%	2, 10	SMA, 3.5mm
DC~18	0~70/10	1.6	1	1.5 or 4%	2,10	SMA, 3.5mm
DC~18		1.6	1	1.5 or 4%		SMA, 3.5mm
DC~26.5	0~70/10	1.75	1.8	1.5 or 4%	25	
DC~28		1.75	1.8	2 or 5%		
DC~8						SMA, 3.5mm
DC~12.4	0~90/10	1.6	1	1.5 or 4%	2, 10	
DC~18						

### Electrical

Impedance: 50 $\Omega$   
Peak Power<sup>\*1</sup>: 200W

[1] Pulse width: 5 $\mu$ s, duty cycle: 1%.

### Mechanical

Size: 106\*62/66\*83mm  
4.173\*2.441/2.598\*3.268in  
Weight: 525g/520g  
RF Connectors: 3.5mm Female, SMA Female  
Housing Materials: Aluminum

### Environmental

Temperature: 0~+54 $^{\circ}$ C

### How To Order

#### FSA28A-W-X-Y-Z

W: Stop Frequency in GHz  
X: Maximum attenuation in dB  
Y: Power in Watts  
Z: Connector type

Connector naming rules:  
S - SMA Female (DC-18GHz)  
3 - 3.5mm female

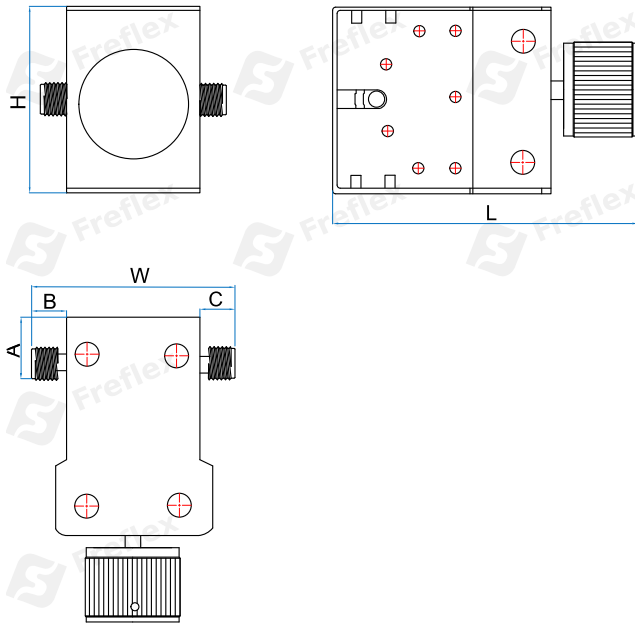
#### Examples:

To order an attenuator, DC~28GHz, 0~70dB attenuation, 2W, 3.5mm female, specify FSA28A-28-70-2-3.

Customization is available upon request.

## Rotary Stepped Attenuators

### Outline Drawings



2W: 60-90dB, 10W: 1-90dB						
Size	L	W	H	A	B	C
mm	106	62	83	14	7	7
in	4.173	2.441	3.268	0.551	0.276	0.276
2W: 1-9dB						
Size	L	W	H	A	B	C
mm	106	66	83	14	10.5	7
in	4.173	2.598	3.268	0.551	0.413	0.276
25W: 70dB						
Size	L	W	H	A	B	C
mm	106	66	83	-	-	-
in	4.173	2.598	3.268	-	-	-

Unit: mm [in]  
Tolerance:  $\pm 5\%$