YSRSA10-26-69-1A7

Rotary Step Attenuator, 10 W, DC-26.5 GHz, 0-99 dB

Key Features

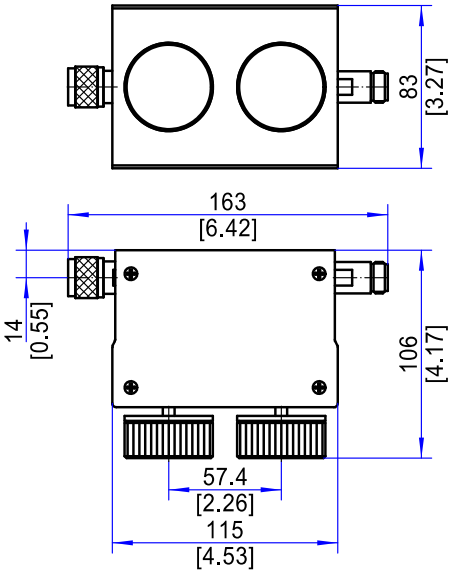
- Broadband Operation (DC-26.5 GHz)
- High Precision Attenuation Control
- High Power Handling up to 10 W
- Flexible Connector Options
- Rugged & Reliable Mechanical Design

Applications

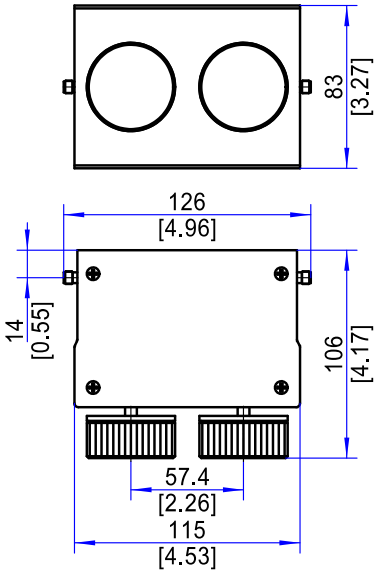
- RF & Microwave Test Systems
- Signal Simulation & Calibration
- Receiver Protection
- EMC / EMI Testing
- System Integration & Lab Use

Electrical Specifications					
Impedance	50 Ω				
Average Power	2 W/10 W				
Peak Power	200 W (pulse width: 5 μs, duty cycle: 2%)				
Freq. (GHz)	Attenuation		VSWR (Max.)	Insertion Loss (dB.Max.)	Accuracy(dB)
	Range	Step Size			
DC-8	0-69 dB	1 dB	1.50	1.25	±0.5 dB(1-9 dB, DC-8GHz) ±0.8 dB(1-9 dB, >8 GHz) ±1.0 dB(10-19 dB) ±1.5 dB(20-49 dB) ±2.0 dB(50-69 dB)
DC-12.4			1.50	1.50	
DC-18			1.75	1.50	
DC-26.5			1.85	2.2	±1.5 dB (0-9 dB) ±1.75 dB(10-19 dB) ±2.0 dB(20-49 dB) ±2.5 dB(50-69 dB)
DC-8	0-99 dB	1 dB	1.50	1.25	±0.5 dB (0-9 dB, DC-8 GHz) ±0.8 dB (0-9 dB, DC>8 GHz) ±1.0 dB(10-19 dB) ±1.5 dB(20-49 dB) ±2.0 dB(50-69 dB) ±2.5 dB or 3.5%(70-99 dB)
DC-12.4			1.50(2W) 1.60(10W)	1.50	
DC-18			1.75	1.50(2W) 1.75(10W)	
Environmental Specifications					
Operating Temperature	0°C to +54°C				
Mechanical Specifications					
Connectors	N-Female,SMA Female(DC-18 GHz) 3.5mm Female(DC-26.5 GHz)				
Body Material	Connector: Nickel Plated Brass Housing: Aluminum				
Dimension	Outine A: 115×106×83 mm / [4.53×4.17×3.27 in] Outline B: 126×106×83 mm / [4.96×4.17×3.27 in]				
Weight	Outline A: 985-1040g Outline B: 1020-1075g				

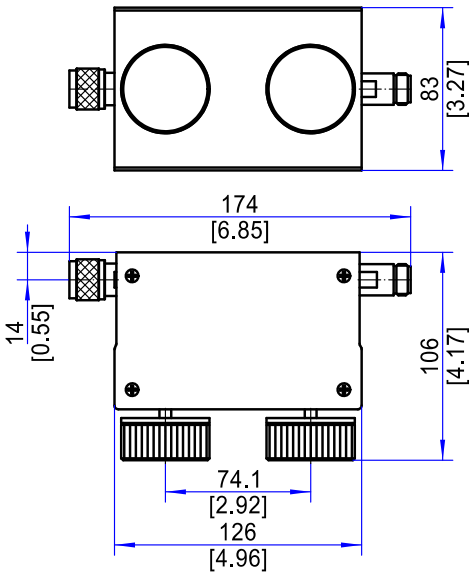
Outline Drawing (Units: mm/[inch], Tolerance: ± 2%)



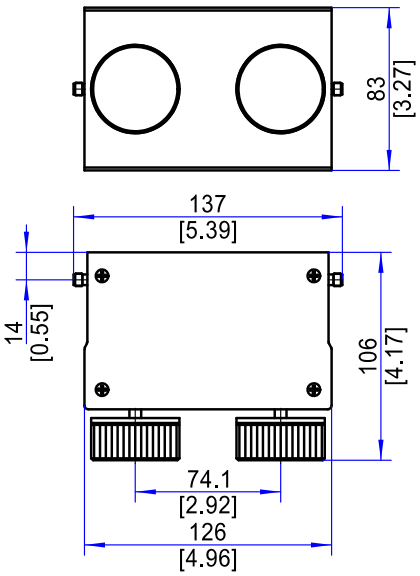
Outline A: 2W, N



Outline B: 2W, SMA, 3.5mm



Outline C: 10W, N



Outline D: 10W, SMA, 3.5mm

Ordering Information:

Model: **YSRSA**XX-YY-ZZ-CC
XX = Power Handling
YY = Frequency Range in GHz
ZZ = Attenuation Range in dB (e.g. 99-1 = 0-99 dB range with 1 dB step size)
CC = Connector Type (S=SMA Female,N=N-Type Female,3=3.5mm Female)
Example: 18 GHz, 10 W, 0-99 dB in 1 dB Steps, SMA Female→**YSRSA10-18-99-1A7-S**