

YSRSA25-28-70-10A8

Rotary Step Attenuator, 25 W, DC-40 GHz, 0-9 dB

Key Features

- Broadband Operation (DC-40 GHz)
- High Precision Attenuation Control
- High Power Handling up to 25 W
- Flexible Connector Options
- Rugged & Reliable Mechanical Design

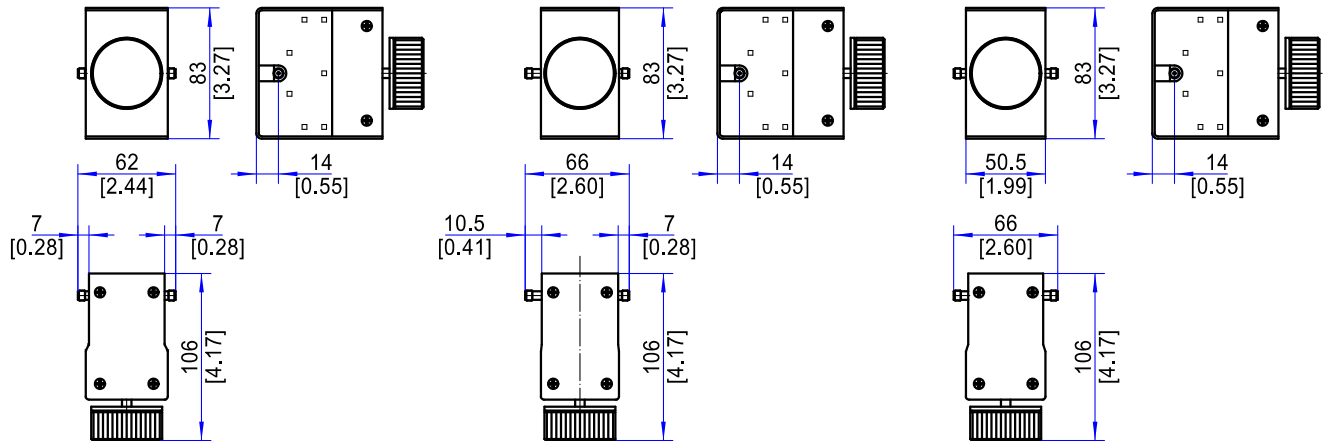
Applications

- 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/25 W						
Peak Power	200 W (pulse width: 5 μ s, duty cycle: 2%)						
Freq. (GHz)	Attenuation		VSWR (Max.)	Insertion Loss (dB.Max.)	Accuracy (dB)	Power (CW)	
	Range	Step Size					
DC-18	0-9 dB	1 dB	1.6	1.0	± 0.8	2	
DC-26.5			1.7	1.8	± 1.0		
DC-32			1.9	2.0	± 1.2		
DC-40			2.0	2.5	± 1.5		
DC-18	0-70 dB	10 dB	1.6	1.0	± 1.5 or 4%		
DC-26.5	0-60 dB	10 dB	1.75	1.8			
DC-8	0-90 dB	10 dB	1.6	1.0			
DC-12.4							
DC-18							
DC-18	0-9 dB	1 dB	1.6	1.0	± 0.8		10
DC-26.5			1.7	1.8	± 1.0		
DC-28			1.75	1.8	± 1.5		
DC-18			0-70 dB	10 dB	1.6	1.0	
DC-26.5	0-60 dB	10 dB	1.75	1.8	± 1.5 or 4%		
DC-8	0-90 dB	10 dB	1.6	1.0			
DC-12.4							
DC-18							
DC-18	0-70 dB	10 dB	1.60	1.0	± 1.5 or 4%	25	
DC-26.5			1.75	1.8			
DC-28			1.75	1.8			± 2.0 or 5%
Environmental Specifications							
Operating Temperature	0°C to +54°C						
Mechanical Specifications							
Connectors	SMA Female(DC-18 GHz) 3.5 mm Female(DC-26.5/28 GHz) 2.92 mm Female(DC-32/40 GHz)						

Body Material	Connector: Nickel Plated Brass Housing: Aluminum
Dimension	Outline A: 106×83×62 mm / [4.17×3.27×2.44 in] Outline B: 106×83×66 mm / [4.17×3.27×2.60 in] Outline C: 106×83×66 mm / [4.17×3.27×2.60 in]
Weight	Outline A: Approx. 520 g, Outline B, Outline C: Approx. 525 g

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



Outline A: 2 W, 0-60 dB, 0-70 dB
10 W, 0-9 dB, 0-70 dB

Outline B: 2 W, 0-9 dB

Outline C: 25 W, 0-70 dB

Ordering Information:

Model: **YRSAXX-YY-ZZ-CC**

XX = Power Handling

YY = Frequency Range in GHz

ZZ = Attenuation Range in dB (e.g. 9-1 = 0-9 dB range with 1 dB step size)

CC = Connector Type (S=SMA Female, 3=3.5 mm Female, K=2.92 mm Female)

Example: 40 GHz, 2 W, 0-9 dB in 1 dB Steps, SMA Female → **YRSA2-40-9-1A8-K**