

SAT-9A

Digital Optical Variable Attenuator

SYNERGY TELECOM PVT LTD



Major Features

- ◎ Multi-wavelength application
- ◎ Attenuation value can be set up at single step or continuously
- ◎ Four-half digits display
- ◎ Applied advanced double colors rubber coating technics
- ◎ Memory of current setting
- ◎ Can set up step length :0.01dB, 1.0dB, and 10dB
- ◎ Automatic power-off, Low power alarm

SAT-9A Digital Optical Variable Attenuator have the ability of quick regulation of attenuation value, with good linearity, high accuracy, low insertion loss and attenuation locating, etc.

It is mainly used for the attenuation of continuous optical signal .

Technical index

Parameter	Unit	Technical Index	
Model		9A01	9A02
Wavelength range	nm	800~1700	
Standard wavelength	nm	1310, 1550	1310、1490、1550
Measuring range	dB	0~60	
Max optical input power	dB	26	
Measuring accuracy		0~30dB: $\leq \pm 0.2\text{dB}$, 30~50dB: $\leq \pm 0.3\text{dB}$, 50~60dB: $\leq \pm 0.5\text{dB}$	
Insertion loss		$\leq 3.0\text{dB}$	
Return loss		$\geq 50\text{dB}$	
Optical interface		FC, ST, SC typed connector	
Resolution	dB	0.01dB	
Power supply		2×1.2V(2300mAh) AA nickel-hydrogen rechargeable batteries; Continuous testing time: over 5 hours	
Linearity		$\leq \pm 0.2$	
Power consumption	mW	300 mW	
Operating temperature	℃	-10~+50	
Storage temperature	℃	-40~+70	
External dimensions	mm	L×W×H:55×95×190mm	
Weight	Kg	0.4	

Accessories

- ◎ Adapter
- ◎ 1.2V(2300mAh) AA nickel-hydrogen rechargeable battery
- ◎ FC、ST、SC connector
- ◎ User manual
- ◎ Soft case



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Major Features

- Multi-wavelength application
- Automatic power-off. Low power alarm.
- Four-half digit display
- Can set up step length: 0.01dB, 1.0dB, and 10dB
- Memory of current setting
- Attenuation value can be set up at single step or continuously

SAT-9B Digital Optical Variable Attenuator is mainly used for the attenuation of continuous optical signal power, whose core components are imported to enable it to have the ability of quick regulation of attenuation value with good linearity, high accuracy, low insertion loss and attenuation locating, etc.

With advanced double colors rubber coating technics applied, the instrument looks attractive in shape, and is durable, reliable, easy to use, and suited to several working environments.

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Model		9B01	9B02
Wavelength range	nm	800~1700	
Standard wavelength	nm	1310, 1550	1310、1490、1550
Measuring range	dB	0~60	
Max optical input power	dB	26	
Measuring accuracy		0~30dB: ±0.2dB, 30~50dB: ±0.3dB, 50~60dB: ±0.5dB	
Insertion loss		≤3.0dB	
Return loss		≥50dB	
Optical interface		FC, ST, SC typed connector	
Resolution	dB	0.01dB	
Power supply		2×3.7V(700mAh) AA Lithium rechargeable batteries; Continuous testing time: 20 hours	
Linearity		≤±0.2	
Power consumption	mW	300 mW	
Operating temperature	℃	-10~+50	
Storage temperature	℃	-40~+70	
External dimensions	mm	L×W×H:140×72×38mm	
Weight	Kg	0.25	

