

Digital Controlled Attenuators

FDA-0-26500-90-10 DC~26.5GHz, 90dB, 10dB

- Features: * Low VSWR
- Applications:
- * Wireless
- * High Attenuation Flatness
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	DC~26.5GHz			
Insertion Loss:	2.5dB max.			
Attenuation Range:	0~90dB			
Step:	10dB			
Average Power:	+30dBm			
Peak Power:	50W			
Impedance:	50Ω			
Voltage:	24V DC			
Current:	100~200mA			

Mechanical

Size ^{*1} :	95.2*41.8*22.4mm
	3.748*1.646*0.882in
Operation Life:	2M Cycles
Switching Time:	20ms max.
RF Connectors:	3.5mm Female

Environmental

Operating Temperature: 0~+55°C Non-operating Temperature: -55~+85°C

Outline Drawings



Unit: mm [in] Tolerance: 5%

How To Order FDA-0-26500-90-10

Customization is available upon request.

Attenuation Accuracy and VSWR										
Frequency (GHz)	Attenua	Attenuation Accuracy (±dB) vs. Attenuation (dB)								VSWR (max.)
	10	20	30	40	50	60	70	80	90	
DC~26.5	±0.55	±0.65	±0.75	±1.1	±1.25	±1.65	±1.85	±2.75	±2.95	1.8

Control Mode

Power Supply: 10 Pin connector (pin), 10 pins are the positive and negative poles of the power supply (+20~+30Vdc), rated voltage +24Vdc, and 3 pins are the negative pole.

Control: If this pin transitions from TTL low level (0V~+0.8Vdc) to high level (+3.3V~+5Vdc) and pulse mode, and other pins (except for 3, 10 pins) are TTL low level, their respective functions are achieved

Pin1			Pin2		Pin4	Pin5	Pin6	Pin7	Pin8	Pin9
First le	evel	10dB	First	level	directThird level 30dB	Second level	20dBFourth level 30dB	Fourth level	directSecond level	Third level direct
attenua	ation		conne	ection	attenuation	attenuation	attenuation	connection	direct connection	connection