#### 成都巨人微波 TITAN MICROWAVE INC. A Professional RF & Microwave Components Supplier

## 2WPA1-10-64.5-SF Programmable Attenuator, DC~1GHz 64.5dB/0.1dB, 10 Cells, 2W

## **FEATURES**

- Small Size
- High Accuracy
- High Stability

## **APPLICATIONS**

- Laboratory Test and Measurement
- Wireless Communication

Electrical Specifications



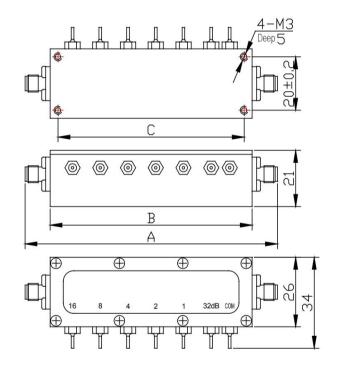
## Dimensions[mm]

137.5 А В

118.5

112.5 С

tions							
DC~1GHz							
50 $Ω$ nominal							
0~64.5dB in 0.1dB steps							
0.1, 0.2, 0.4, 0.8, 1, 2, 4, 8, 16, 3							
6ms							
1.3 max							
$\pm 0.4$ dB@Attn $\leq 10$ dB							
±1.2dB@16/20/32dB							
3.5dB max							
2W							
+5V							
100mA/Cell, 50mA/Cell							
-55°C~+70°C							
RoHS Compliant							
Mechanical Specifications							
SMA female							
Gold Plated Brass							
Gold Plated Beryllium Cooper							
Aluminum, Nickel							
160g							



♦ Test Data is available at an additional cost

#### 成都巨人微波 TITAN MICROWAVE INC. A Professional RF & Microwave Components Supplier

## 2WPA1-10-64.5-ST Programmable Attenuator, DC~1GHz 64.5dB/0.1dB, 10 Cells, 2W, TTL

## **FEATURES**

- Small Size
- High Accuracy
- High Stability

## **APPLICATIONS**

- Laboratory Test and Measurement
- Wireless Communication

## **Electrical Specifications**

Frequency Range	DC~1GHz							
Impedance	$50\Omega$ nominal							
Attenuation Range	0~64.5dB in 0.1dB steps							
Attenuation Steps(dB)	0.1, 0.2, 0.4, 0.8, 1, 2, 4, 8, 16, 32							
Switching Time	6ms							
VSWR	1.3 max							
Accuracy	±0.4dB@Attn≤10dB							
	±1.2dB@16/20/32dB							
Insertion Loss	3.5dB max							
Average Power	2W							
Control Voltage	+5V							
Control Current	100mA/Cell, 50mA/Cell							
Driver Voltage	2.7V~5V							
Driver Current	15mA min/Cell							
Temperature Range	-55°C~+70°C							
RoHS Status	RoHS Compliant							
Machanical Specifications								

#### Mechanical Specifications

RF Connector	SMA female
Control Connector	14 PIN Ribbon Cable
Connector Body	Gold Plated Brass
Female Pin	Gold Plated Beryllium Cooper
Housing	Aluminum, Nickel
Weight	180g

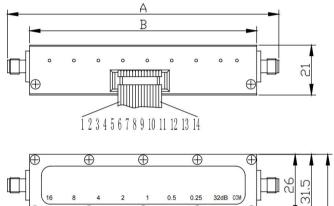


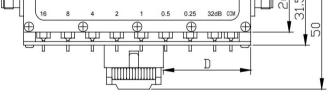
## Dimensions[mm]

A 137.5

118.5 D 37.5

В





	1																
C	ont	rol		Co	nr	iec	tor	PI	N Lo	cat	ior	18					
2	4	6	ł	1	3	10	12	14									
•		•	•		•	•	•	•									
•			)	_		•	•	•									
1	00	5	5		7	9	11	13									
PIN	No.				1	2	3	4	5	6	7	8	9	10	11	12	13
dB,	10 C	ells			16	32	8	Ν	COM	V+	Ν	0.8	0.4	1	0.2	2	4

♦ N: Not Connected, COM: 0V, V+:Operating Voltage ♦

## 成都巨人微波 TITAN MICROWAVE INC. A Professional RF & Microwave Components Supplier -

# **2WPA1-10-64.5-SR** Programmable Attenuator, DC~1GHz 64.5dB/0.1dB, 10 Cells, 2W, RS232

## **FEATURES**

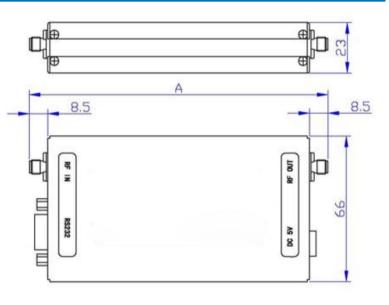
- Small Size
- High Accuracy
- High Stability

## **APPLICATIONS**

- Laboratory Test and Measurement
- Wireless Communication

<b>Electrical Specifica</b>	tions
Frequency Range	DC~1GHz
Impedance	$50\Omega$ nominal
Attenuation Range	$0\sim$ 64.5dB in 0.1dB steps
Attenuation Steps(dB)	0.1, 0.2, 0.4, 0.8, 1, 2, 4, 8, 16, 32
Switching Time	6ms
VSWR	1.3 max
Accuracy	$\pm 0.4$ dB@Attn $\leq 10$ dB
	±1.2dB@16/20/32dB
Insertion Loss	3.5dB max
Average Power	2W
Voltage	AC~220V/5V
Temperature Range	-55°C~+70°C
<b>RoHS Status</b>	RoHS Compliant
<b>Mechanical Specifi</b>	cations
RF Connector	SMA female
Control Connector	RS-232
Connector Body	Gold Plated Brass
Female Pin	Gold Plated Beryllium Cooper
Housing	Aluminum, Anodic Oxidation
Size	137.5×66×23mm
Weight	220g

## Dimensions[mm]



♦ Test Data is available at an additional cost