

FDA-18000-50000-31.5-0.5

18~50GHz, 31.5dB, 0.5dB

Features:

- * Broadband
- * High Dynamic Range

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	18~50GHz
Insertion Loss:	11dB max.
VSWR:	2.5 max.
Attenuation Flatness:	±1dB typ. @0.5-16dB ±2dB typ. @17.5-31.5dB
Control Bits:	6
Step:	0.5dB min.
Attenuation Range:	0~31.5dB
Attenuation Accuracy:	±1dB typ. @0.5-16dB ±2dB typ. @17.5-31.5dB
Voltage/Current:	-5V @10mA typ.
Input Power:	+25dBm max.

Mechanical

Size ^{*1} :	32*20*12.7mm 1.26*0.787*0.5in
Weight:	25g typ.
Switching Time:	20ns typ.
RF Connectors:	2.4mm Female
Power Supply & Control Interface Connectors:	J30J-15ZKP
Mounting:	4-Φ2.7mm through-hole
Logic Input:	On: 1(+5V) Off: 0(0V)

[1] Exclude connectors.

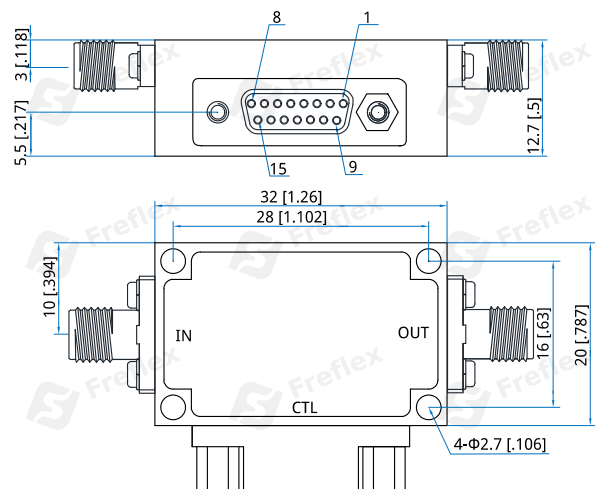
Pin Numbering

Pin	Function	Pin	Function
1	-5V	6	C3: -2dB
2	GND	7	C4: -4dB
3	NC	8	C5: -8dB
4	C1: -0.5dB	9	C6: -16dB
5	C2: -1dB	10~15	NC

Environmental

Operating Temperature:	-45~+85°C
Non-operating Temperature:	-55~+125°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Logic Table

State	C1	C2	C3	C4	C5	C6	Attenuation
-	0	0	0	0	0	0	State 31.5dB
1	1	0	0	0	0	0	Reference IL
2	0	1	0	0	0	0	0.5dB
3	0	0	1	0	0	0	1dB
4	0	0	0	1	0	0	2dB
5	0	0	0	0	1	0	4dB
6	0	0	0	0	0	1	8dB
7	1	1	1	1	1	1	16dB
							31.5dB

How To Order

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Customization is available upon request.