

Digital Controlled Attenuator

KAT178210

18~40GHz, 31.5dB, 0.5dB

Features:

- * Broadband
- * High Dynamic Range

Applications:

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

Electrical

Frequency:	18~40GHz
Insertion Loss:	8dB typ.
Attenuation Flatness:	±3dB max.
Control Bits:	6
Step:	0.5dB
Attenuation Range:	0~31.5dB
Attenuation Accuracy:	±6% of attenuation setting max.
Switching Time:	500nS max.
Input VSWR:	2.5 max.
Output VSWR:	2.5 max.
Voltage:	±5V DC
Current:	0.1A typ.
Input Power Without Damage:	27dBm max.

Mechanical

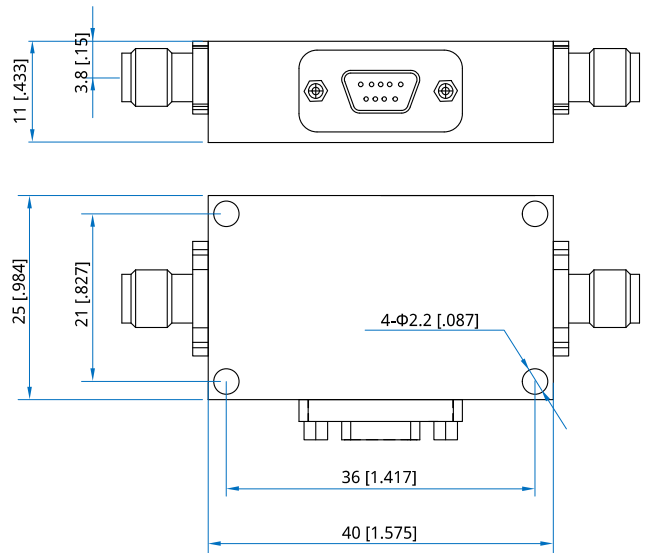
Size ^{*1} :	40*25*11mm 1.575*0.984*0.433in
Weight:	66g typ.
RF Connectors:	2.92mm Female
Power Supply & Control Interface Connectors:	J30J-9ZKP
Housing Material:	Aluminum
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operating Temperature:	-40~+60°C
Non-operating Temperature:	-55~+70°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Pin Numbering

Pin	Function	Pin	Function
1	0.5dB (LSB)	6	16dB (MSB)
2	1dB	7	-5V
3	2dB	8	+5V
4	4dB	9	GND
5	8dB		