

QDA-500-40000-31.5-0.5

0.5~40GHz, 31.5dB, 0.5dB

Features:

- * Broadband
- * High Dynamic Range

Applications:

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

Electrical

Frequency:	0.5~40GHz
Insertion Loss:	7dB max.
Attenuation Flatness:	±1.2dB typ.@15dB ±2dB typ.@31.5dB
Step:	0.5dB
Attenuation Range:	0.5~31.5dB
Attenuation Accuracy:	±1.2dB typ.@0.5~15dB ±2dB typ.@15~31.5dB
VSWR:	1.6 max. @0.5~15GHz 2.0 max. @15~40GHz
Voltage/Current:	+3.3V @20mA Max. -3.3V @20mA Max.
Input Power:	+25dBm max.

Mechanical

Size*1:	34*18*12mm 1.339*0.709*0.472in
Switching Time:	1 us
RF Connectors:	2.92mm Female
Power Supply & Control Interface Connectors:	D-Sub 15
Housing Material:	Nickel Plated
Mounting:	4-Φ2.7 through-hole
Logic Input:	On: 1(+1.2~3.3V) Off: 0(0~0.8V)

[1] Exclude connectors.

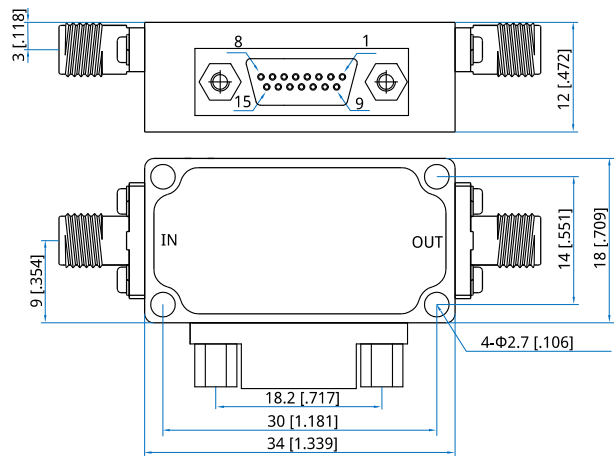
Pin Numbering

Pin	Function	Pin	Function
1	+3.3V	6	C3
2	COM	7	C4
3	-3.3V	8	C5
4	C1	9	C6
5	C2	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	Att.
-	0	0	0	0	0	0	31.5dB Reference IL
1	1	0	0	0	0	0	0.5dB
2	0	1	0	0	0	0	1dB
3	0	0	1	0	0	0	2dB
4	0	0	0	1	0	0	4dB
5	0	0	0	0	1	0	8dB
6	0	0	0	0	0	1	16dB
7	1	1	1	1	1	1	31.5dB

How To Order

QDA-500-40000-31.5-0.5

Customization is available upon request.