

QDA-500-40000-63.5-0.5

0.5~40GHz, 63.5dB, 0.5dB

Features:
 * Broadband
 * High Dynamic Range

Applications:
 * Wireless
 * Transmitter
 * Laboratory Test
 * Radar

Electrical

Frequency:	0.5~40GHz
Insertion Loss:	11.5dB max.
Attenuation Flatness:	±1dB typ.@20dB ±2dB typ.@40dB ±3dB typ.@63.5dB
Step:	0.5dB
Attenuation Range:	0~63.5dB
Attenuation Accuracy:	±2dB typ.@0-63.5dB
VSWR:	1.7 max. @0.5~18GHz 2.0 max. @18~40GHz
Voltage/Current:	+3.3V @30mA Max. -3.3V @30mA Max.
Input Power:	+25dBm max.

Mechanical

Size*1:	34*18*12mm 1.339*0.709*0.472in
Switching Time:	200 ns
RF Connectors:	SMA Female
Power Supply & Control Interface Connectors:	MicroD15-Female
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.

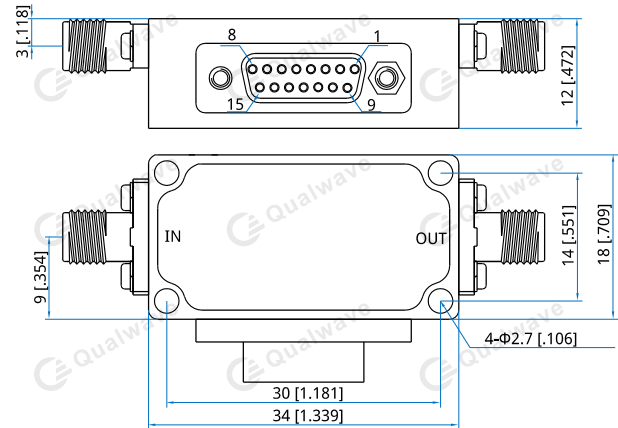
Pin Numbering

Pin	Function	Pin	Function
1	+3.3V	7	C4
2	COM	8	C5
3	-3.3V	9	C6
4	C1	10	C7
5	C2	11-15	NC
6	C3		

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	C7	Att.
-	0	0	0	0	0	0	0	63.5dB Reference IL
1	1	0	0	0	0	0	0	0.5dB
2	0	1	0	0	0	0	0	1dB
3	0	0	1	0	0	0	0	2dB
4	0	0	0	1	0	0	0	4dB
5	0	0	0	0	1	0	0	8dB
6	0	0	0	0	0	1	0	16dB
7	0	0	0	0	0	0	1	32dB
8	1	1	1	1	1	1	1	63.5dB

How To Order

[QDA-500-40000-63.5-0.5](#)

Customization is available upon request.