

NDA-4000-32000-63.5-0.5

4~32GHz, 63.5dB, 0.5dB

Features:
 * Broadband
 * High Dynamic Range

Applications:
 * Wireless
 * Transmitter
 * Laboratory Test
 * Radar

Electrical

| | |
|-----------------------|---|
| Frequency: | 4~32GHz |
| Insertion Loss: | 10dB 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: | 2 max. |
| 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: | 200ns |
| RF Connectors: | 2.92mm Female |
| Power Supply & Control Interface Connectors: | J30J-15ZKP |
| 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.

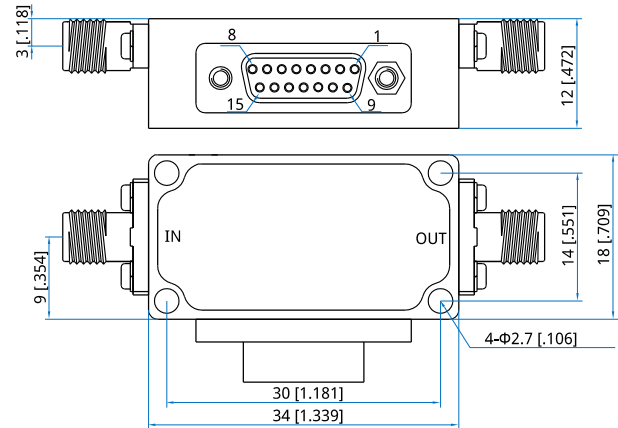
Pin Numbering

| 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 |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | Reference IL |
| 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0.5dB |
| 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1dB |
| 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2dB |
| 5 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4dB |
| 6 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8dB |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 16dB |
| 8 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 32dB |
| | | | | | | | | 63.5dB |

How To Order

[NDA-4000-32000-63.5-0.5](#)

Customization is available upon request.