



ACTIVE GROUP DELAY CORRECTOR NETWORK

AH1157

The AH1157 is an active group delay network which produces a group delay curve with a lift of +170 ns at 4.43 MHz with respect to the delay at 200 kHz. The addition of capacitance (externally) across pins 11 and 12 of the module brings the +170 ns (delay) point down in frequency - typically 110 pF across the pins produces +170 ns at 3.58 MHz wrt delay at 200 kHz. High input and low output impedance simplify interfacing the module to the rest of the system.

Specification:

| | |
|---|---|
| <i>Input impedance</i> | 2.0 M Ω (typical) |
| <i>Output impedance</i> | < 1 Ω (op-amp driver output) |
| <i>Power supply</i> | $\pm 1.5V$ to $\pm 5V$ (absolute max $\pm 6V$) |
| <i>Typical current</i> | ± 15 mA per rail at $\pm 5V$ supply |
| <i>Group delay adjustment range wrt 200 kHz</i> | +170 ns at 4.43 MHz to +170 ns at 3.58 MHz |
| <i>Amplitude ripple</i> | 0.2 dB to 5.0 MHz (no external capacitor) 0.35 dB to 5.0 MHz (110 pF external capacitor) |
| <i>Aqueous Washable</i> | Yes |
| <i>Package</i> | DR00062A |

PACKAGE DETAIL

