

## 60 dB Digital Attenuator MODEL LA01-001

### Features:

- TTL Controlled Attenuation Level
- 4 Bit Attenuation Control
- 60 dB Attenuation Range
- Amplitude/Phase Matched State to State
- Excellent Attenuation Accuracy
- Fast Switching Speed
- +5VDC and -15VDC input



### Performance Specifications

- Frequency Range: 400 to 500 MHz
- Maximum Input Power: 20 dBm
- VSWR: 1.4:1 max, any state
- Insertion Loss: 1.4 dB max
- Attenuation Range: 0 to 60 dB, 6 dB steps
- Attenuator Accuracy (to 36 dB): ±0.25 dB max
- (over 36 dB): ±0.50 dB max
- Switching Speed: 1 us max
- Intermods: ≥-60 dBc
- Phase Balance: ±3 deg max
- Amplitude Balance: ±0.5 dB max
- Impedance: 50 ohms

- DC Voltage Input: +5VDC, -15VDC
- DC Supply Current: 500 mA max, 200 mA max
- Operating Temperature: 0°C to +50°C baseplate
- Operating Humidity: 0 to 95% non-condensing
- Operating Shock & Vibration: Per Mil-Std-810F
- Operating Altitude: Up to 10,000 Ft.
- Attenuator Control: Balanced TTL (RS-422)
- RF Connectors:
  - RF Input: SMA
  - RF Output: SMA
- DC & Interface Connector: D-Subminiature
- Size: 5.9" x 2.5" x 1.35"
- Weight: 15 ounces max

COMTECH PST Component Division proudly introduces a new digital attenuator for applications in UHF band. The design operates over the 400 to 500 MHz frequency range intended for use in military or commercial applications. The attenuator provides 0 to 60 dB of range. The accuracy achieved is exceptional when changing attenuator steps. Switching speed is very fast when attenuation needs to be changed. Other frequencies, attenuation ranges, and performance characteristics can be achieved for other applications, contact our sales department.