

# Delta Datasheet

## Technical Data on Delta Microwave Products

### PCS Diplexer/Amplifier

#### Model **L5964**

#### A, B, C Bands

#### +12, +25, +35, +45 Gain Packages

#### **Features:**

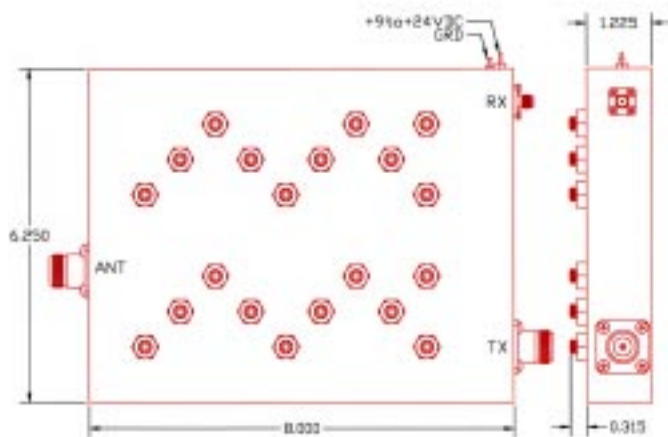
Compact Size

Rack mount ready (1U high)

Co-Axial Cavity Configuration

High Performance

Ruggedized Package



#### Description:

The L5964 PCS Diplexer was developed for high performance PCS applications.

The diplexer design uses two separate 5 section co-axial cavity bandpass filters and two coupled “zeros” for high “Q” and low insertion loss.

By combining both Filter and LNA in one package, all performance parameters are improved. The integrated package has lower noise, better return loss, and a smaller package size than would be possible using discrete components.

For more information on custom PCS products, Delta Microwave can be contacted Via the Internet at <http://www.deltamicrowave.com>. Or you can call or fax your request Delta Microwave, or contact one of our sales representatives in your area.

#### Specifications:

Passband	
A Band .....	1850 to 1865 MHz (RX) 1930 to 1945 MHz (TX)
A Band .....	1870 to 1885 MHz (RX) 1950 to 1965 MHz (TX)
A Band .....	1895 to 1910 MHz (RX) 1975 to 1990 MHz (TX)
Insertion Loss(TX).....	1.0 dB Max (0.8 Typ)
Gain(RX) .....	+12, +25, +35, +45 $\pm$ 2 dB
Noise Figure .....	2.0 dB Max (0.8 dB Typ)
VSWR.....	1.5:1 Max. (TX & RX)
RX Isolation.....	>100 dB over TX
TX Isolation.....	>100 dB over RX
Power Handling.....	1000 Watts Peak (TX)
Connectors.....	“N” Female (Ant & TX) SMAF (RX)
Operating Temperature.....	-50 to +70° C
Size .....	1.5" x 6.25" x 8.0"

