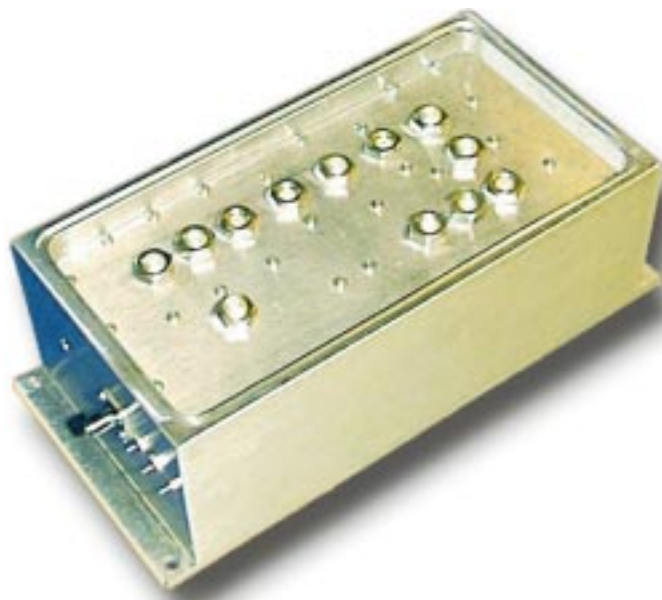


Delta Datasheet

Technical Data on Delta Microwave Products



Paging Tower Top

Filter/Amplifier

Model **U5977**

Features:

Compact Size
Towermount ready
Co-Axial Cavity Configuration
High Performance
Low Cost

Description:

The U5977 Paging Receive Filter/Amplifier was developed for high performance, Towertop applications.

The Filter design uses a four section co-axial cavity bandpass filter and two "zeros" placed one in front of the LNA for optimum Rejection, and low overall noise. The LNA runs off of +7 to +30 VDC and draws less than 100mA. The LNA is equipped with a secondary voltage feed thru that monitors current draw to warn of an LNA failure.

The Housing is machined from solid 6061 T-6 aluminum and silverplated per MIL standards (nickel is never allowed in any of our plating processes). The resonators are turned from solid brass stock and silverplated per the same specifications as the housing. Delta Microwave only uses the highest quality materials for the construction of this diplexer.

For more information on custom cellular 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	901 to 902 MHz
Gain	25 \pm 2 dB*
Noise Figure	3.0 dB Max (2.5 dB Typ.)
VSWR	1.5:1
Rejection	
TX	60 dB from 869 to 894 MHz
RX	60 dB at 925 MHz
Voltage	+7 to +30 VDC @ 100 mA
Connectors.....	"SMA" Female
Operating Temperature.....	-30 to +70 C
Operating Environment	Weather resistant outdoor use

*Gain can be specified from +10 to +50 dBm

