



**The LIDL Receiver is a four band receiver, operating in the L, S, low C, and high C bands. The LIDL is capable of operating in four unique modes supporting analog video with a tunable subcarrier, the Predator B waveform, the Plug and Play II waveform and a 70 MHz IF output. Other packages are available.**

**KEY FEATURES:**

- L, S, low and high C operation
- Bias Tee for Active Antenna
- Low Cost, Size, Weight and Power (SWaP)
- Ruggedized and Compact
- Qualified on Multiple Programs
- Deployed on Numerous Platforms

## LIDL 4 Band, 4 Mode Receiver



### LIDL SPECIFICATIONS

RF	
Frequency Ranges	1620-1850, 2200-2500, 4400-5000, 5250-5850 MHz in 1 MHz steps
Frequency Selection	Via RS-422
Frequency Stability	± 20 ppm over environment
Noise Figure	10 dB maximum (for use with active antenna)
Input Impedance	50 ohms, 2:1 maximum VSWR
Dynamic Range	80 dB minimum
RSSI Output	0 to +5 VDC via 1 k-ohm, also reported over control link
BASEBAND OUTPUTS	
Analog Video	1 Vpp into 75 Ω, 6 Hz to 4.2 MHz ± 1 dB, NTSC
Subcarrier	6.0 to 8.5 MHz in 10 kHz Steps, DC Coupled, up to 38.4 kb
PNP II	466 kb Convolutionally Coded, RS-422
Predator B	455 kb NRZL, RS-422
IF Output	70 MHz CF, 10 MHz BW, +3 dBm with AGC
DC POWER	
Input Voltage	+12 to +16 VDC @ 0.7 amperes maximum
Reverse Polarity	Protection to -40 VDC
MISC	
Size and Weight	2.5x 7.25 x 0.84", 20 ounces maximum
RF Output Connector	SMA Female
DC Power, Video, Data Outputs, Control and RSSI	SAMTEC ERM8-013-01-L-D-RA-L
Operating Temperature	-20 to +70°C (standard) or -40 to +85°C (ET) baseplate
Vibration	20 g rms, 3 axes
Shock	100 g, 11 milliseconds, 3 axes
Acceleration	100 g, 3 axes
Altitude	Unlimited