

# PWS Receive Line Amplifier



## SPECIFICATIONS

**RF Frequency Range:** 10-800 MHz

**Noise Figure:** 2.7 dB

**Switchable Gain Selections:** 5 dB or 15 dB

**DC Voltage:** 4.0 min to 15.0 max VDC

### DC/AC Power Source:

PSU Optional, 12VDC 1 amp with locking plug  
(can also be powered w/ Bias)

### DC Feed-through :

Switch controlled for "Daisy Chain" operations

**RF Connector:** BNC type, female

**Operating Current:** 65mA

**Input Power (no damage):** +13dBm

Note: Permanent damage may occur if any of these limits are exceeded

## DESCRIPTION

The S8683 PWS Receive Line Amp is an InGaP HBT monolithic amplifier. The S8683 is intended for remote-mounting antennas to a receiver, Alpha Series, or Omega Series antenna distribution system in large installations in order to shorten the distance from the transmitters. The unit receives power through its output port from the receiver or distribution amplifier or with an optional 12VDC power supply unit.

When an antenna is remote-mounted, the S8683 amplifies the received radio signals in order to account for attenuation through cable runs over 50 or 100'. The unit also features a gain selector switch to adjust for longer lengths of coaxial cable.