



# INDOOR SIGNAL BOOSTERS

**SERIES 62 1/1W**  
**62-xxx-Axx-01-G3**

The Bird Technologies Group Series 62 family of signal boosters provides an exceptional balance of performance and value for extended coverage of radio communications networks.

## Advantages of the BTG Series 62 Family

- Cost Effective In-Building coverage solution for:
  - Public Safety
  - Private Wireless networks
  - Cellular
  - PCS
  - Paging
- Low noise figure with wide dynamic range
- Excellent selectivity for operation in a shared frequency band
- Available in the following configurations:
  - Single Band
  - Multi-Band
  - ReBandable for public safety frequency transition
  - Band Selective (both contiguous & non-contiguous)
  - Full or Partial Bands
- Remote monitoring option



Frequency Band	Uplink	Downlink
SMR	806-821 MHz	851-866 MHz
PS8	806-824 MHz	851-869 MHz
NPSPAC	821-824 MHz	866-869 MHz
Cellular A	824-835 MHz	869-880 MHz
Cellular B	835-849 MHz	880-894 MHz
Cellular AB */**	824-849 MHz	869-894 MHz
PS9	896-902 MHz	935-941 MHz
GSM L **	890-902 MHz	935-947 MHz
GSM F **	890-915 MHz	935-960 MHz
GSM H **	902-915 MHz	947-960 MHz
2PGN	900-903 MHz	929-942 MHz
PCS **	1805-1800 MHz	1710-1785 MHz
DCS **	1930-1990 MHz	1850-1910 MHz

\* Optional external filtering for A+A' and B+B' available

\*\*Available in full & partial bands for DCS, PCS, GSM, Cellular applications (contiguous & non-contiguous blocks)

Electrical Specifications	
Gain (Minimum attenuation) [dB]	80
Gain Flatness [dB]	+/- 1.5 (Max.)
Noise Figure [dB]	5 (Max.)
Manual Attenuation Range [dB]	0 to 30 in 2-dB steps
Power Output @ 1dB Compression [dBm]	+32.0 (Typ.) - Uplink/Downlink
3rd Order Output Intercept Point [dBm] @ 2 tones + 20 dBm each	+45 (Typ.) - Uplink/Downlink
Output Power ALC Set [dBm]	+25 ±1 - Uplink/Downlink
Output Composite Power [dBm]	+25 (Typ.) - Uplink/Downlink
Input/Output Impedance	50 ohm
VSWR IN/OUT	1.5:1 (Max.)
Propagation Delay [uSec]	<1.0
Power Supply	110V/0.8A to 220V/0.4A (Autoranging) 50 to 60 Hz

Mechanical Specifications	
Paint	Epoxy Gray
Dimensions	15.3" x 15.4" x 7.9"
Operating Temperature Range	-20°C to +50°C



## RF Measurement and Management in Your World



Bird® Technologies Group combines the industry leading brands of both Bird Electronic and TX RX Systems and is a global, innovative supplier of RF products, systems, services and educational solutions. Bird® Technologies Group reserved the right to modify specifications or discontinue any product without notice.

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