



PRODUCT INFORMATION

Digital Covert Inductive Receiver

Part Number: BGE-RCR3

Lowe Electronics produce a wide range of miniature in-ear-canal inductive receivers for use with security and public safety applications as well as for broadcast presenters. All are fitted with a removable wax guard and supplied with 15 spare filters and a removal/insertion tool.



Features

- Small and Accurate Anatomic Profile
- Fully Digital with Noise Cancellation
- Interference Immunity
- Soft Squelch

Applications

- Security Forces Covert Operations
- Broadcast Presenters
- Public Safety
- Store Guards

GENERAL SPECIFICATIONS

This unique covert inductive listening device utilises custom digital technology giving outstanding speech quality. This device is uni-handed and anatomically shaped to fit the smallest ears with special functions including: soft-squelch, automatic gain control and audible low battery indicator. The devices are very small, robust and designed to operate in the most hostile of environments. Particular design emphasis has been placed on the ability to suppress extraneous interference; typically from engine management systems in vehicles, TDMA noise from TETRA handsets and Cellphones as well as mains-borne noise from electric motors, neon signs and power lines.

Frequency Range	400-3000Hz
DSP Type	Custom Hi-Fidelity Hybrid, DSP and EEPROM
Distortion	<3% @ 1kHz
Receiver	Magnetic
Maximum Output Sound Pressure Level	100dB or preset to customer requirements
End of Battery Life	Audible Beep
Battery	1.4 VDC A10 Zinc Air or Equivalent
Minimum Operating Voltage	1.1 VDC
Typical Battery Life (A10 Zinc Air)	>100 hours
Sensitivity	75dB@1kHz \pm 3dB / 10mA/M
AGC Attack	0.25 milliseconds
AGC Release	< 0.8 seconds
Amplifier	Custom Hybrid
Weight (including battery)	1.5 grams
Operating Temperature Range	-10°C to 40°C
Wax Filter Type	Replaceable Mesh Filter
CE Conformity	89/336/EWG-Electromagnetic Compatibility
ROHS & WEE	ROHS: Compliant. WEE: Compliant

Measurement Conditions: Ambient Temperature: 25°C Supply Voltage: 1.4VDC Response measured into a 2cm³ coupler (IEC118-1)

A full range of accessories including neck loops, inductor packs, batteries and wax traps is available for this product line.