Specifications

System

Modulation	wideband FM stereo (MPX pilot tone)
Frequency ranges	516–558, 566–608, 606–648, 626–668, 734–776, 780–822, 823–865 MHz (A to E, G, GB, see page 4)
Transmission/receiving frequencies	1680 frequencies, tuneable in steps of 25 kHz
	20 frequency banks, each with up to 16 factory-preset channels
	6 frequency banks with up to 16 user programmable channels
Switching bandwidth	42 MHz
Frequency stability	±10 ppm (–10°C to +55°C)
Compander system	Sennheiser HDX
Nominal/peak deviation	±24 kHz/±48 kHz
MPX pilot tone (frequency/deviation)	19 kHz/±5 kHz
AF frequency response	25 Hz to 15 kHz
THD (at 1 kHz and nominal deviation)	< 0.9%
Signal-to-noise ratio at nominal load and peak deviation	> 90 dB
Temperature range	–10°C to +55°C

SR 300 IEM G3 transmitter

Antenna output	BNC socket, 50 Ω with remote power supply input 12 V DC
RF output power at 50 Ω	typ. 10/30 mW (Low/Standard), switchable
AF input BAL AF IN L(I)+Mono/BAL AF IN R(II)	2 x XLR-3/¼'' (6.3 mm) jack combo socket, electronically balanced
Max. input level	+22 dBu (line)
AF output LOOP OUT BAL L(I)/LOOP OUT BAL R(II)	¼'' (6.3 mm) stereo jack socket, balanced
Headphone output	¼'' (6.3 mm) stereo jack socket
Power supply	12 V ⎓
Current consumption	max. 350 mA
Dimensions	approx. 202 mm x 212 mm x 43 mm
Weight	approx. 980 g

In compliance with

Europe	EMC	EN 301489-1/-9
CE	Radio	EN 300422-1/-2
	Safety	EN 60065

Approved by

Canada	Industry Canada RSS 123 IC: 2099A-G3SREK limited to 698 MHz
USA	FCC-Part 74 FCC-ID: DMOG3SREK limited to 698 MHz

NT 2-3 mains unit

Input voltage	100 to 240 V~, 50/60 Hz
Current consumption	max. 120 mA
Output voltage	12 V ⎓
Secondary output current	400 mA
Temperature range	–10°C to +40°C

In compliance with

Europe	CE EMC	EN 55022, EN 55024, EN 55014-1/-2
	Safety	EN 60065
USA	FC	47 CFR 15 subpart B
Canada		ICES 003

The mains unit is certified in accordance with the legal safety requirements of Europe, the United States, Canada, Russia and Japan.

EK 300 IEM G3 diversity receiver

Receiver principle	adaptive diversity
Sensitivity (with HDX, peak deviation)	< 4 µV, typ. 1.6 µV for 52 $dBA_{rms\ S/N}$
Adjacent channel rejection	typ. ≥ 65 dB
Intermodulation attenuation	typ. ≥ 70 dB
Blocking	≥ 80 dB
Squelch	Off, 5 to 25 dBµV, adjustable in steps of 2 dB
Pilot tone squelch	evaluation can be switched off
S/N ratio (1 mV, peak deviation)	approx. 90 dB
Max. output power	2 x 100 mW at 32 Ω
High Boost	+8 dB at 10 kHz
Limiter	–18 dB to –6 dB, adjustable in steps of 6 dB, can be switched off
Power supply	2 AA size batteries, 1.5 V or BA 2015 accupack
Nominal voltage	2.4 V ⎓

Power consumption:	
• at nominal voltage	approx. 140 mA
• with switched-off receiver	≤ 25 µA
Operating time	approx. 4 to 6 hrs (depending on volume level)
Dimensions	approx. 82 x 64 x 24 mm
Weight (incl. batteries)	approx. 200 g

In compliance with

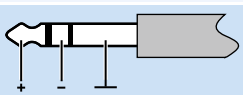
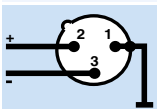
Europe	CE EMC EN 301489-1/-9 Radio EN 300422-1/-2 Safety EN 60065
USA	FC 47 CFR 15 subpart B

Approved by

Canada	Industry Canada RSS 123 IC 2099A-G3SREK300 limited to 698 MHz

Connector assignment

SR 300 IEM G3 transmitter

¼'' (6.3 mm) stereo jack plug, balanced (BAL AF IN/LOOP OUT)	XLR-3F connector, balanced (BAL AF IN)	DC connector for power supply
		
¼'' (6.3 mm) mono jack plug, unbalanced (BAL AF IN/LOOP OUT)	¼'' (6.3 mm) stereo jack plug for headphone output	**EK 300 IEM G3 receiver** 3.5 mm jack plug