

# Electromagnetic, Type No. 1

EM-1 (P3.10)

N.A.T.O. Code: 5965-99-901-1184 YA8549

**DESCRIPTION** Rocking armature type. Primarily for use as a microphone but also functions as a receiver.

### AS A RECEIVER

### AS A MICROPHONE

**IMPEDANCE** 300Ω standard (see note at 1000 c/s (Hz) below)

300Ω standard or 2400Ω to special order

**FREQUENCY RESPONSE** Level to within ±3dB over range 200-3400 c/s (Hz)

Rising 7 ±1.5dB per octave over range 200-3400 c/s (Hz)

**SENSITIVITY** Not less than 40dB above 1 dyne/cm<sup>2</sup>/mW at 1000 c/s (Hz)

Greater than 44dB above 1 μV/dyne/cm<sup>2</sup>

**AVERAGE OUTPUT** 95dB SPL for 0.013 mW input

2 mV into 300Ω for speech at 1" (2.5 cm), distance

**MAXIMUM INPUT POWER** 150 mW (Prior to High Distortion)

**DIMENSIONS & WEIGHT** 1.83" (46,5 mm) diameter  
0.67" (16,5 mm) deep  
0.77" (19,6 mm) deep including terminals  
1.25 oz. (35,5 grammes)

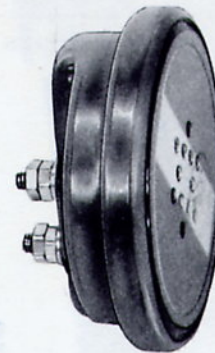
**TERMINATION** 6 BA screw terminals

**COLOUR** Red with white flash

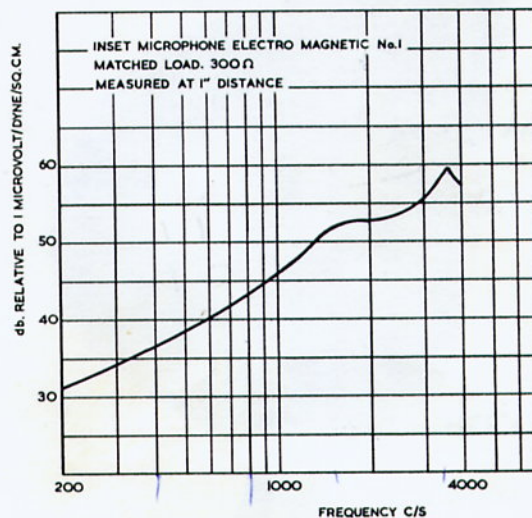
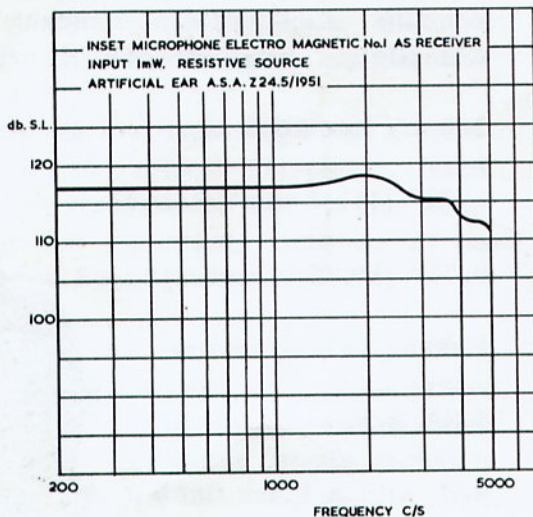
Red with white flash

**ENVIRONMENTAL CATEGORY** Hermetically sealed and conforms with inter-service spec. K114 and DEF 5000

Hermetically sealed and conforms with inter-service spec. K114 and DEF 5000



**Note:** Also available with 2400Ω impedance using commercial unit type 100298/04.



# Electromagnetic, Type No. 2

EM-2. (23.10)

N. A. T. O. Code: 5965-99-940-2368 YA10432

**DESCRIPTION**

Rocking armature type of latest design similar to the inset adopted by the British Post Office for their new Type 700 telephone. Primarily a receiver, this inset also functions as a microphone.

**AS A RECEIVER**

**AS A MICROPHONE**

**IMPEDANCE** at 1000 c/s (Hz) 300Ω standard (See note opposite)

300Ω standard

**FREQUENCY RESPONSE** Level to within ±3dB over range 200-3450 c/s (Hz)

Rising 6 ±1.5dB per octave over range 200-3400 c/s (Hz)

**SENSITIVITY** at 1000 c/s (Hz) Greater than 44dB above 1 dyne/cm<sup>2</sup>/mW

Greater than 48dB above 1 μV/dyne/cm<sup>2</sup>

**AVERAGE OUTPUT** 95dB SPL for 0.005 mW input

2.5 mV into 300Ω for speech at 1" (2.5 cm), distance

**MAXIMUM INPUT POWER** 150 mW

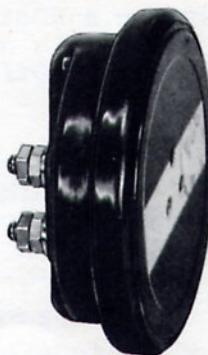
(Prior to High Distortion)

**DIMENSIONS & WEIGHT**  
 1.83" (46,5 mm) diameter  
 0.67" (16,5 mm) deep  
 0.77" (19,6 mm) deep including terminals  
 1.25 oz. (35,5 grammes)

**TERMINATION** 6 BA screw terminals

**COLOUR** Green with white flash

**ENVIROMENTAL CATEGORY** Hermetically sealed and conforms with inter-service spec. K114 and DEF 5000



Green with white flash

Hermetically sealed and conforms with inter-service spec. K114 and DEF 5000

