

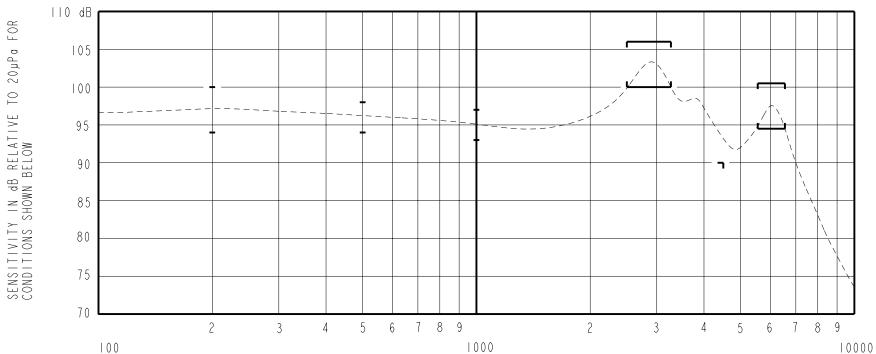
MECHANICAL

TEMPERATURE:

PORT LOCATION: 12S SOLDER TYPE: SAC305

NOTE: SPECIFICATIONS FOLLOWED BY AN ASTERISK (\*) ARE 100% TESTED.





FREQUENCY IN HERTZ

## ACOUSTICAL

SENSITIVITY\*

DEVICE WILL PRODUCE THE SPL LISTED BELOW UNDER TEST CONDITION IN TABLE 3. NOMINAL SENSITIVITY AT IKHZ IS dB RELATIVE TO 20 μPα. ALL OTHER VALUES IN dB RELATIVE TO THE SENSITIVITY AT IKHZ.

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	-1.0	+2.0	+5.0
500	-   . 0	+   . 0	+ 3 . 0
1000	-2.0	95.0	+2.0
2500-3100	+5.0	+8.0	+  .0
4500	-5.0		
5500-6500	-0.5	+2.5	+5.5

TABLE I

TOTAL HARMONIC DISTORTION\*

DEVICE WILL NOT EXCEED TOTAL HARMONIC DISTORTION LEVELS LISTED BELOW.

FREQUENCY (Hz)	AC DRIVE (V rms)	DC BIAS (mA)	LIMIT (%)
930	. 085	0	5
1400	. 085	0	5
500	. 240	0	10

TABLE 2

## TEST CONDITIONS

O 82 HE CAPACITOR CONNECTED TO THE INPUT OF THE WREK RECEIVER

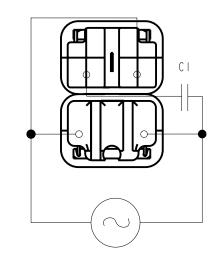
0.02 pr CAFACTION CONNECTED TO	THE INFOL OF THE WORK RECEIVER
NOMINAL SOURCE VOLTAGE	.085 V rms, O V DC BIAS
SOURCE IMPEDANCE	< I Ohm
TUBING	
COUPLER CAVITY	2 CM <sup>3</sup> , SIMULATED ANSI S3.7 TYPE HA-3 (IEC 126)

TABLE 3

## FIFCTRICAL

ELECTRICAL			
DC RESISTANCE	25 Ohms ± 10%* 25 Ohms FK / 12.5 Ohms WBFK		
IMPEDANCE @ 500 Hz	31.0 Ohms ± 15%*		
IMPEDANCE @ ILH2	13 A Ohms + 159*		

TABLE 4



OPERATING: SENSITIVITY AT 500Hz WILL NOT VARY

BY MORE THAN ±3 dB FROM 0°C TO 63°C.

STORAGE: -40°C TO 63°C.

ISOLATION: CASE WILL BE ELECTRICALLY ISOLATED FROM THE COIL CIRCUIT.

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
			Released		D
D	C10105206	12-12-06			ט
			INSPECTION ACCEPTANCE/REJECTION	DR. BY	DATE
		JE TEST EQUIPMENT WITH KN JT AND TEST METHOD VADIAT	OWLES IS ALSO REQUIRED FOR	AB	6 - 7 - 06

**KNOWLES ELECTRONICS** ITASCA, ILLINOIS U.S.A.

ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION				6 - 7 - 06
			CK. BY	DATE
TITLE:	RECEIVER	TWFK-30017-000	GJP	6 - 8 - 06
	MECETVEN	1 W 1 K 300 1 7 000	APP. BY	DATE
	PERFORMANCE SPECIFICATION	SHT 2.1	GJP	6 - 8 - 06