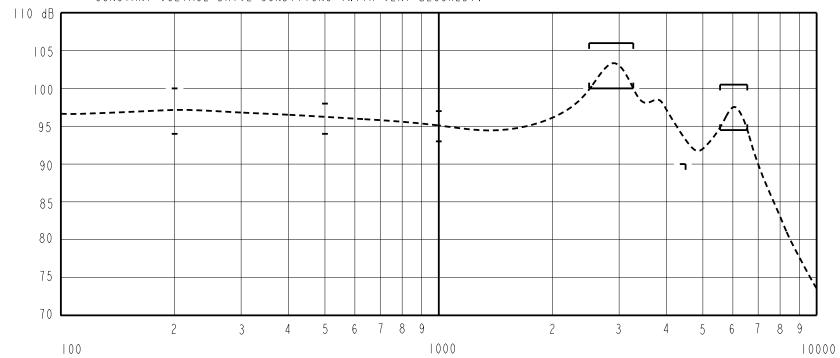


SHEET 2.1

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

CONSTANT VOLTAGE DRIVE CONDITIONS (WITH VENT BLOCKED).



FREQUENCY IN HERTZ

ACOUSTICAL

FOR

SENSITIVITY IN dB RELATIVE TO 20µPa CONDITIONS SHOWN BELOW

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	- . 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

MECHANICAL

PORT LOCATION: 12S SOLDER TYPE: SAC305

TEMPERATURE:

OPERATING: SENSITIVITY AT 500Hz WILL NOT VARY

BY MORE THAN ± 3 dB FROM

0°C TO 63°C. STORAGE: -40°C TO 63°C.

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

0.82µF CAPACITOR CONNECTED TO THE INPUT OF THE WBFK RECEIVER

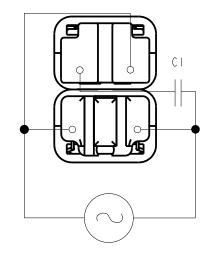
NOMINAL SOURCE VOLTAGE	.085 V rms, O V DC BIAS				
SOURCE IMPEDANCE	< I Ohm				
TUBING					
COUPLER CAVITY	2 CM ³ , SIMULATED ANSI S3.7 TYPE HA-3 (IEC 126)				

TABLE 3

FIFCTRICAL

LLLOTRICAL				
DC RESISTANCE	25 Ohms ± 10%* 25 Ohms FK / 12.5 Ohms WBFK			
IMPEDANCE @ 500 Hz	31.0 Ohms ± 15%*			
IMPEDANCE @ IkHz	43.0 Ohms ±15%*			

TABLE 4



SHT 2.1

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

	Revision C.O. #		Implementation Date RELEASE LEVEL		RELEASE LEVEL		REVISION
							_
	F	C10108259P 12-18-08 Active			F		
	E	C10106978	1-11-08				1
	WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION			DR. BY	DATE		
<u> </u>	CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION				AB	6 - 7 - 06	
S					CK. BY	DATE	
	TITLE:	RF	CFIVFR		TWFK-30017-000	GJP	6 - 8 - 06
		., _	OLIVEN			APP. BY	DATE

PERFORMANCE SPECIFICATION

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.