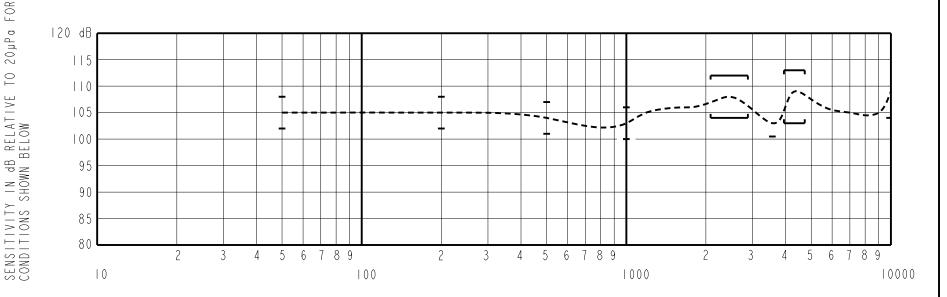


NOTE: SPECIFICATIONS FOLLOWED BY AN ASTERISK(\*) ARE 100% TESTED

CONSTANT VOLTAGE DRIVE CONDITIONS (WITH VENT OPEN)



FREQUENCY IN HERTZ

## ACOUSTICAL

SENSITIVITY\*

DEVICE WILL PRODUCE THE SPL LISTED BELOW UNDER TEST CONDITION IN TABLE 3. NOMINAL SENSITIVITY AT 500Hz IS dB RELATIVE TO 20 µPa. ALL OTHER VALUES IN dB RELATIVE TO THE SENSITIVITY AT 500Hz.

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM	
50	-2.0	+   . 0	+4.0	
200	-2.0	+   . 0	+ 4 . 0	
500	- 3.0	104.0	+ 3 . 0	
1000	- 4 . 0	-1.0	+2.0	
2100-2900	0.0	+4.0	+8.0	
3600	-3.5			
3950-4750	+   . 0	+5.0	+9.0	
9900	0.0			

TABLE I

MECHANICAL

PORT LOCATION: 12S SOLDER TYPE: SAC305

TEMPERATURE:

OPERATING: SENSITIVITY AT 500Hz WILL NOT VARY

BY MORE THAN  $\pm 3$  dB FROM

0°C TO 63°C -40°C TO 63°C.

TOTAL HARMONIC DISTORTION

DEVICE WILL NOT EXCEED TOTAL HARMONIC DISTORTION LEVELS LISTED BELOW.

FREQUENCY (Hz)	AC DRIVE (Vrms)	DC BIAS (mA)	LIMIT (%)
I/2 PEAKI	. 085	0	5
I/3 PEAKI	. 085	0	5
1000	. 085	0	5

TABLE 2

## TEST CONDITIONS

0 0 0 0 0	
NOMINAL SOURCE VOLTAGE	0.085 Vrms, 0 V DC BIAS
SOURCE IMPEDANCE	< I Ohm
TUBING	NO TUBE
COUPLER CAVITY	711 COUPLER (IEC-60318-4)

TABLE 3

## ELECTRICAL

DC RESISTANCE	25.0 Ohms ±10%* 25.0 Ohms FK / 12.5 Ohms WBFK
IMPEDANCE @ 500 Hz	29.4 Ohms ±15%*
IMPEDANCE @ IkHz	47.5 Ohms ±15%*

TABLE 4

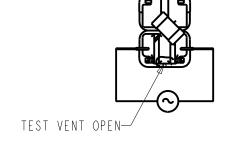
BUZZ TEST

LISTENING TEST CONDUCTED BETWEEN 20Hz TO 2 kHz TO DETECT BUZZ

INPUT VOLTAGE DRIVE SINGAL .085 Vrms

TABLE 5

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



Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
					Α
			l Active		ΙД
А	C40101551	10-28-14			/ \
WHEN TEST I	LIMITS ARE US	SED TO ESTABLISH INCOMING	INSPECTION ACCEPTANCE/REJECTION	DR. BY	DATE

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.

WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION

ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION				10-28-14
				DATE
TITLE:	RECEIVER	TWFK-32651-P176	GJP	10-28-14
	ME OE I VEN		APP. BY	DATE
	PERFORMANCE SPECIFICATION	SHT 2.1	GJP	10-28-14