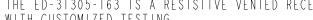
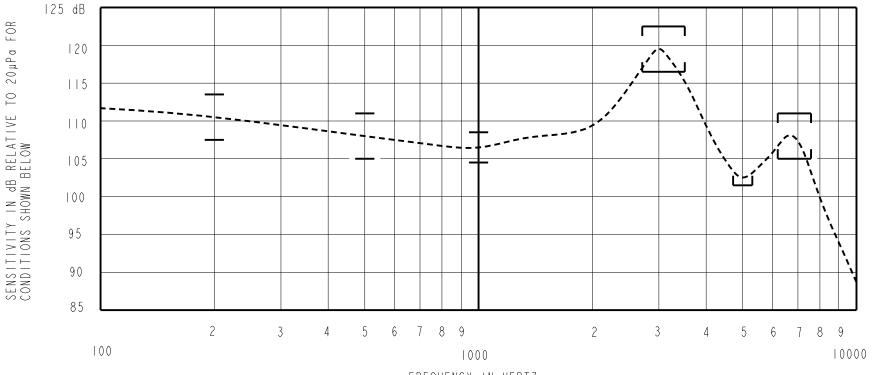


NO DAMPING

ED-31305-163 SHEET 2.1

THE ED-31305-163 IS A RESISTIVE VENTED RECEIVER WITH CUSTOMIZED TESTING.





FREQUENCY IN HERTZ

ACOUSTICAL

SENSITIVITY DEVICE WILL PRODUCE THE SPL LISTED BELOW UNDER TEST CONDITIONS DESCRIBED IN TABLE 3. NOMINAL SENSITIVITY AT 1kHz IS dB RELATIVE TO 20 μPα. ALL OTHER VALUES IN dB RELATIVE TO THE SENSITIVITY AT IKHZ. TEST DATA MEASURED WITH VENT OPEN.

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	+ . 0	+4.0	+7.0
500	-1.5	+1.5	+4.5
1000	-2.0	106.5	+2.0
2750-3550	+ 0 . 0	+ 3.0	+ 6.0
5000	-5.0		
6200-7600	-1.5	+ . 5	+4.5

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 (%)
500	0.413	0	10
1000	0.146	0	5
1500	0.146	0	5
TABLE 2			1

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.146 V rms, OmA DC BIAS
SOURCE IMPEDANCE	< Ohm
TUBING	TUBELESS,KNOWLES TOOL NUMBER T8688
COUPLER CAVITY	IEC 60318-4(IEC 711)

TABLE 3

ELECTRICAL

NOMINAL SOURCE VOLTAGE	0.146 V rms, OmA DC BIAS
DC RESISTANCE	39.2 OHMS ± 10%
IMPEDANCE @ 500 Hz	58.8 OHMS ± 20%
IMPEDANCE @ I kHz	91.8 OHMS ± 20%

TABLE 4

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

	Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
	A	C10112227P	3-22-11	Active		Α
KNOWLES ELECTRONICS	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			DR. BY KL CK. BY	DATE 3 - 22 - 11 DATE	
ITASCA, ILLINOIS U.S.A.	TITLE:	RE	CEIVER	ED-31305-163	GJP APP. BY	3 - 2 4 - 1 1 Date
		PERFORMAN	CE SPECIFICATION	SHT 2.1	GJP	3 - 2 4 - 1 1

PORT LOCATION: 12N

BUZZ TEST

LISTENING TEST CONDUCTED BETWEEN 50Hz TO 5kHz TO DETECT BUZZ.

INPIIT	VOLTAGE	DRIVE	SIGNAL	146V
	V O L I M O L		OTOMAL	, I T V V

TABLE. 5