

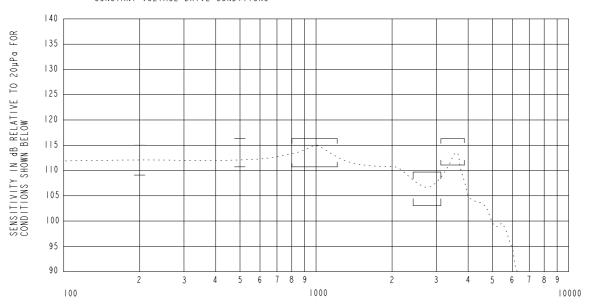
A PAIR OF MAGNETIC BALANCED ARMATURE RECEIVERS INTENDED FOR USE AS THE LOW FREQUENCY DRIVER IN A HI-FI SYSTEM.

NO DAMPING

DTEC-33152-000 SHEET 2.1

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

CONSTANT VOLTAGE DRIVE CONDITIONS



FREQUENCY IN HERTZ

ACOUSTICAL

SENSITIVITY*

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

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	-4.5	0.0	+1.5
500	-1.5	113.5	+1.5
800-1080	+5.0	+8.0	+ .0
1850-2500	+2.0	+5.0	+8.0
3050-3730	-2.5	+0.5	+3.5
4085-4995	-7.5	-4.5	-1.5
5075-6205	-12.5	-9.5	-6.5

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 (%)
315	0.109	0	5
470	0.109	0	5
470	0.218	0	10

TABLE 2

ELECTRICAL

DC RESISTANCE	
IMPEDANCE @ 500 Hz	14.5 OHMS ± 15% *
INDUCTANCE @ 500 Hz	5.1 mH TYPICAL
CAPACITANCE @ 10 MHz	18 pF TYPICAL

TABLE 4

ISOLATION: CASE WILL BE ELECTRICALLY ISOLATED FROM

THE COIL CIRCUIT.*

MECHANICAL PORT LOCATION: IIS SOLDER TYPE: SAC305

TEMPERATURE

OPERATING: SENSITIVITY WILL NOT VARY MORE THAN +1/-3 dB FROM -17°C TO 63°C STORAGE: -40°C TO 63°C

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.109 V rms, TO DELIVER 0.70 mVA AT 500 Hz
SOURCE IMPEDANCE	Ohm</td
TUBING	8mm X Imm ID + 28mm X I.5mm ID EAR HOOK SIMULATOR + 25mm X 2mm ID TUBE + 18mm X 3mm ID TUBE
COUPLER CAVITY	2 cm ³ , SIMULATED ANSI S3.7 TYPE HA-3 (IEC 60318-5)

TABLE 3

RED CONTROLLED

PERFORMANCE SPECIFICATION

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
			Active		Д
A	P10002269	9-4-18			7 1
WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION			DR. BY	DATE	
	RITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR LIMINATION OF EQUIPMENT AND TEST METHOD VARIATION			DVJ	9-4-18
			СК. ВҮ	DATE	
TITLE:	RF	CFIVER	DTFC-33152-000	GJP	9-6-18
NL \ \ L			DIE0 00102 000	APP BY	DATE

SHT 2.1

9-6-18

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.