

.FRM F

MECHANICAL

TEMPERATURE:

PORT LOCATION: 12S SOLDER TYPE: SAC305

OPERATING: SENSITIVITY AT 500Hz WILL NOT VARY

BY MORE THAN ±3 dB FROM 0°C TO 63°C.
STORAGE: -40°C TO 63°C.

LISTENING TEST CONDUCTED BETWEEN

INPUT VOLTAGE DRIVE SIGNAL, IOIVrms.

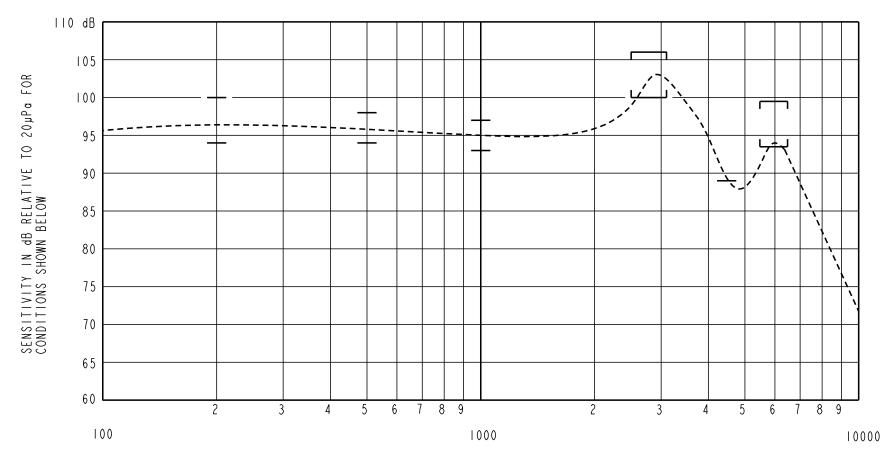
50HZ AND 5KHZ TO DETECT BUZZ

2.1

UNDAMPED MAGNETIC BALANCED ARMATURE RECEIVERS INTENDED FOR USE AS THE HIGH AND LOW FREQUENCY DRIVERS IN A HI FI SYSTEM. THE TWFK IS A WIDEBAND FK AND FK RECEIVER PAIR WITH AN EXTENDED HIGH FREQUENCY RESPONSE, SHOCK PROTECTION AND WITH 0.68 µF TANTAL CAPACITOR. FK RECEIVER VENTED THROUGH UNUSED TERMINAL.

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

CONSTANT VOLTAGE DRIVE CONDITIONS (WITH VENT BLOCKED).



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	-1.0	+1.0	+3.0
1000	-2.0	95.0	+2.0
2500-3100	+5.0	+8.0	+ .0
4500	-6.0		
5500-6500	-1.5	-1.5	+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 (%)
930	. 085	0	5
1400	. 085	0	5
500	. 240	0	10

TABLE 2

TEST CONDITIONS

ILOI CONDITIONO	
NOMINAL SOURCE VOLTAGE	.085 V rms, O V DC BIAS
SOURCE IMPEDANCE	<1 Ohm
TUBING	
COUPLER CAVITY	2 CM ³ , SIMULATED ANSI S3.7 TYPE HA-3 (IEC-60318-5)

TABLE 3

ELECTRICAL

DC RESISTANCE	25 Ohms ± 10%* 25 Ohms FK / 12.5 Ohms WBFK
IMPEDANCE @ 500 Hz	31.3 Ohms ± 15%*
IMPEDANCE @ IkHz	45.2 Ohms ± 15%*

TABLE 4

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

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
B A	P10000378	- 26 - 6 0 - 27 - 5	Active		В
CRITERIA, (CORRELATION (INSPECTION ACCEPTANCE/REJECTION OWLES IS ALSO REQUIRED FOR ION	DR. BY	DATE 10-27-15
1				. .	

RECEIVER

PERFORMANCE SPECIFICATION

KNOWLES CORPORATION

ION		NANC	10-27-15	
		CK. BY	DATE	
	TWFK-31684-000	GJP	10-27-15	
	TWITE 51004 000	APP. BY	DATE	
	2.1	GJP	10-27-15	