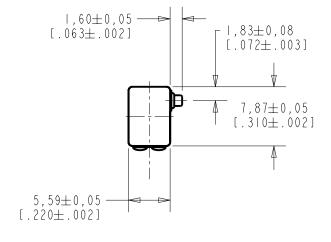
FEF-26790-102

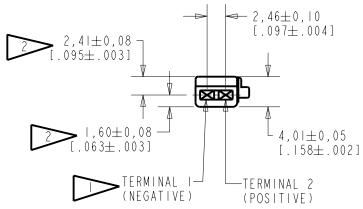
SHT I.I

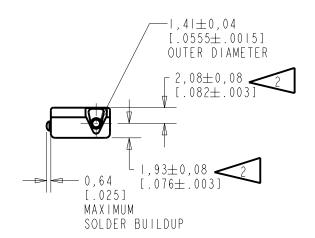
NOTES:

➤ A POSITIVE GOING VOLTAGE AT TERMINAL 2, RELATIVE TO TERMINAL I, CAUSES A DECREÁSE IN PRESSURE AT THE SOUND OUTLET.

➤ LOCATED FROM TWO SURFACES FOR CUSTOMER CONVENIENCE. ONLY APPLICABLE FROM ONE SURFACE, NOT TO BE USED TOGETHER. HORIZONTAL LOCATION FOR TERMINAL CENTERED TO ± 0.17 [.007].









NOMINAL WEIGHT .66 GRAMS

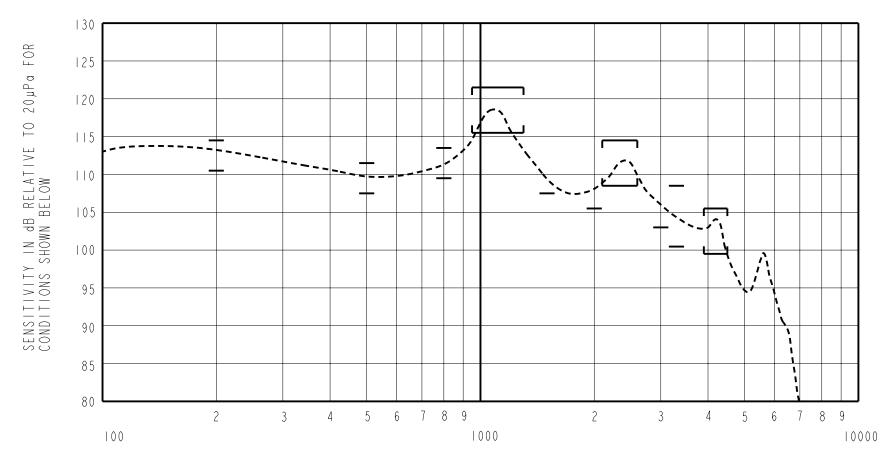
DIMENSIONS IN MILLIMETERS [INCHES]

KNO	WLES	ELEC	TRONI	CS
	ITASCA	ILLINOIS	USA	

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
В А	C10103605 C10103191	2 - 3 - 0 6 9 - 2 9 - 0 5	Release	d	B
SCALE:		2:1		DR. BY	DATE
DO NOT SCALE DRAWING			CRG CK. BY	9 - 29 - 05 DATE	
TITLE:	RE	CEIVER	FEF-26790-102	GJP APP. BY	9 - 29 - 05 DATE
	OUTL	INE DRAWING	SHT I.I	GJP ASIZE ERM	9 - 29 - 05 Rev: B

FEF-26790-102 SHEET 2.1





ACOUSTICAL

FREQUENCY IN HERTZ

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 EXCEPT MINIMUM LIMITS AT 1500, 2000, AND 3000 Hz (I.E., dB RE 20 μPα PER CUSTOMER REQUIREMENT).

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	+ . 0	+3.0	+5.0
500	-2.0	109.5	+2.0
800	0.0	+2.0	+4.0
950-1300	+6.0	+9.0	+12.0
1500	107.5	-	-
2000	105.5	-	-
2100-2600	-1.0	+2.0	+5.0
3000	103.0	-	-
3300	-9.0	-5.0	-1.0
3900-4500	-10.0	-7.0	- 4 . 0

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	0.14	0	5
500	0.25	0	10

TABLE 2

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.14 V rms, 0 mA DC BIAS
SOURCE IMPEDANCE	< I Ohm
TUBING	8mm x 1mm 1D + 28mm x 1.5mm 1D EAR HOOK SIMULATOR + 25mm x 2mm 1D TUBE + 18mm x 3mm 1D TUBE
COUPLER CAVITY	2 CM ³ , SIMULATED ANSI S3.7 TYPE HA-3 (IEC 126)

TABLE 3

ELECTRICAL

DC RESISTANCE	18 Ohms \pm 10%
IMPEDANCE @ 500 Hz	50 Ohms \pm 15%
IMPEDANCE @ IkHz	88 Ohms \pm 15%

TABLE 4

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

TEMPERATURE: OPERATING RANGE FROM 0°C TO 63°C (SENSITVITY WILL NOT VARY BY MORE THAN ±3 dB WITHIN RANGE) SENSITIVITY AT 0°C IS 1.5dB LOWER THAN THE SENSITIVITY AT ROOM TEMPERATURE.

TITLE:

DELTA PEAK IS 1.8dB HIGHER AT BODY TEMPERATURE (37°C)

STORAGE RANGE FROM -40°C TO 63°C

REVISION	RELEASE LEVEL	Implementation Date	C.O. #	Revision
К	l Released	2 - 3 - 06	C10103605	В
		9-29-05	C10103191	Α
		9 - 29 - 05	C10103191	А

PORT LOCATION: 2S

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.

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

RECEIVER

PERFORMANCE SPECIFICATION

S 15 ALSO REQUIRED FOR	CRG	9-29-05
	CK. BY	DATE
FEF-26790-102	GJP	9-29-05
Li 20130 102	APP. BY	DATE
SHT 2.1	GJP	9-29-05

DATE

Mouser Electronics

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FEF-26790-I02