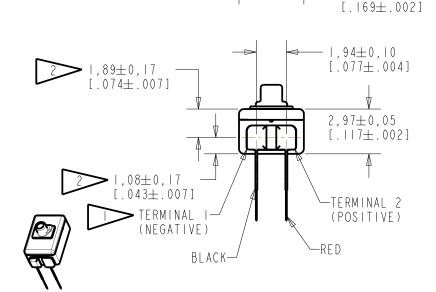


SHT I.I

NOTE:

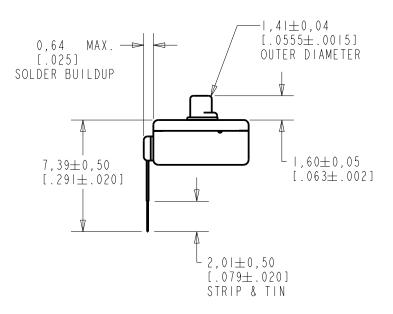
A POSITIVE GOING VOLTAGE AT TERMINAL 2, RELATIVE TO TERMINAL I, CAUSES A DECREASE IN PRESSURE AT THE SOUND OUTLET.

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].



 3.18 ± 0.03 -

 $[.125\pm.001]$



NOMINAL WEIGHT .31 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

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 $2,15\pm0,07$ $[.085\pm.003]$

 $6,30\pm0,05$

 $4,29\pm0,05$

 $[.248 \pm .002]$

Revision	C.O. #	Implementation Do	e RELEASE LEVEL		REVISION
			_ A 1 ·		
В	C10107990	11-21-08	_I Active	Active	
А	C10102782	6 - 23 - 05	7,61170		נ
SCALE:		2:1		DR. BY	DATE
				SDZ	2-19-08

DO NOT SCALE DRAWING TITLE: RECEIVER

OUTLINE DRAWING

FED-30353-104 SHT I.I

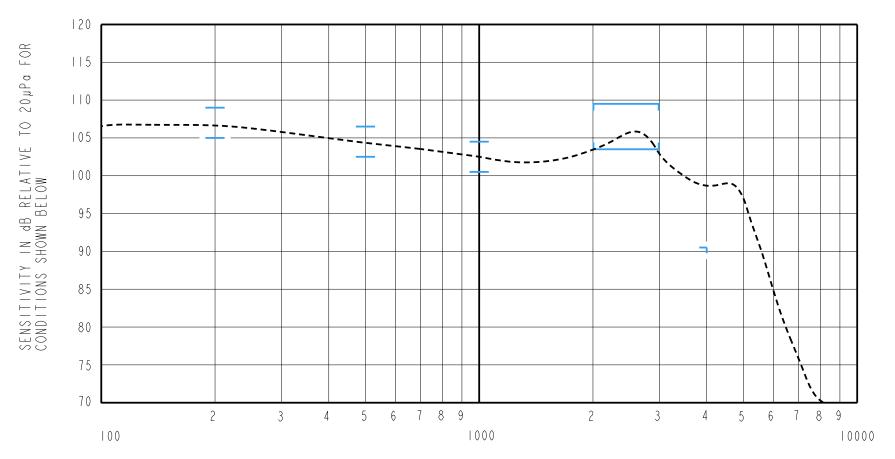
GJP 2-20-08 APP. BY DATE GJP 2-20-08

CK. BY

DATE

THE FED-30353-104 IS A FERROFLUID DAMPED ED-27305-000 WITHOUT TYPE III DAMPING WITH A PEAK OF 4dB RELATIVE TO THE SENSITIVITY AT IKHZ UNDER CONSTANT VOLTAGE DRIVE CONDITIONS. THIS MODEL HAS INCREASED DCR/IMPEDANCE RATIO AND EXTENDED LOW FREQUENCY RESPONSE.

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 IKHZ IS dB RELATIVE TO 20μPα. ALL OTHER VALUES IN dB RELATIVE TO THE SENSITIVITY AT IKHz.

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	+2.5	+4.5	+6.5
500	0.0	+2.0	+4.0
1000	-2.0	102.5	+2.0
2000 - 3000	+ . 0	+4.0	+7.0
4000	-12.0		

PORT LOCATION: OJP

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	0.470	0	10
830	0.167	0	5
1250	0.167	0	5

TABLE 2

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.167 V rms, OmA DC BIAS
SOURCE IMPEDANCE	< I Ohm
TUBING	
COUPLER CAVITY	2 CM ³ , SIMULATED ANSI S3.7 TYPE HA-3 (IEC 126)

TABLE 3

ELECTRICAL

DC RESISTANCE	48 OHMS ± 10%
IMPEDANCE @ 500 Hz	65 OHMS ± 15%
IMPEDANCE @ I kHz	100 OHMS ± 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)

Revision C.O. # Implementation Date

PERFORMANCE SPECIFICATION

SENSITIVITY AT 0°C IS 2dB LOWER THAN THE SENSITIVITY AT ROOM TEMPERATURE. DELTA PEAK IS IdB HIGHER AT BODY TEMPERATURE (37°C)

STORAGE RANGE FROM -40°C TO 63°C.

	B A	C10107990 C10102782	11-21-08		Active		В
S	CRITERIA, (CORRELATION (TH KN	INSPECTION ACCEPTANCE/REJECTION OWLES IS ALSO REQUIRED FOR ION	DR. BY SDZ CK. BY	DATE 2 - 1 9 - 08 DATE
	TITLE:	RE	CEIVER		FED-30353-104	GJP APP. BY	2 - 20 - 08 DATE

RELEASE LEVEL

SHT 2.1

REVISION

2-20-08

GJP

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