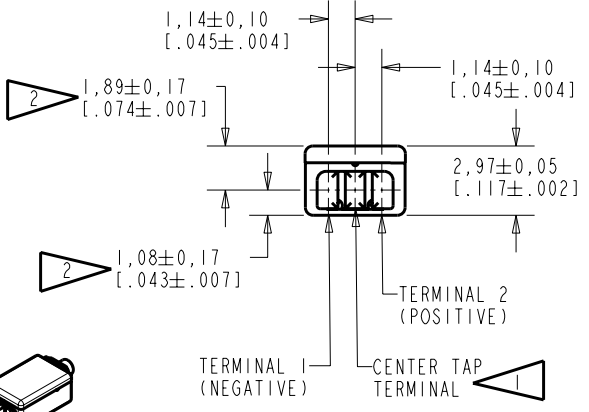
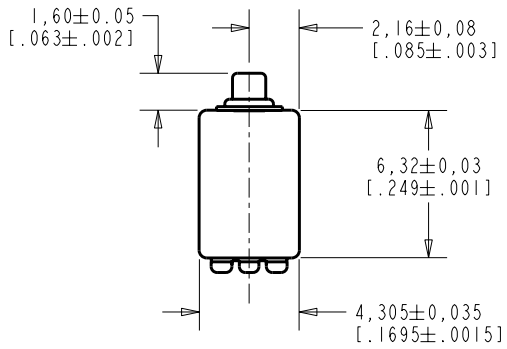


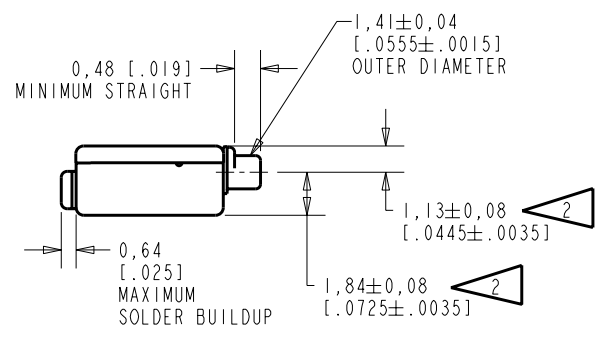
ED-29689-000
SHT 1.1



NOTE:

1 A POSITIVE GOING VOLTAGE AT TERMINAL 2, RELATIVE TO THE CENTER TAP TERMINAL, OR A NEGATIVE GOING VOLTAGE AT TERMINAL 1, RELATIVE TO THE CENTER TAP TERMINAL, CAUSES A DECREASE IN PRESSURE AT THE SOUND OUTLET.

2 LOCATED FROM TWO SURFACES FOR CUSTOMER CONVENIENCE. ONLY APPLICABLE FROM ONE SURFACE, NOT TO BE USED TOGETHER. HORIZONTAL LOCATION FOR TERMINAL CENTERED TO $\pm 0,17$ [.007].



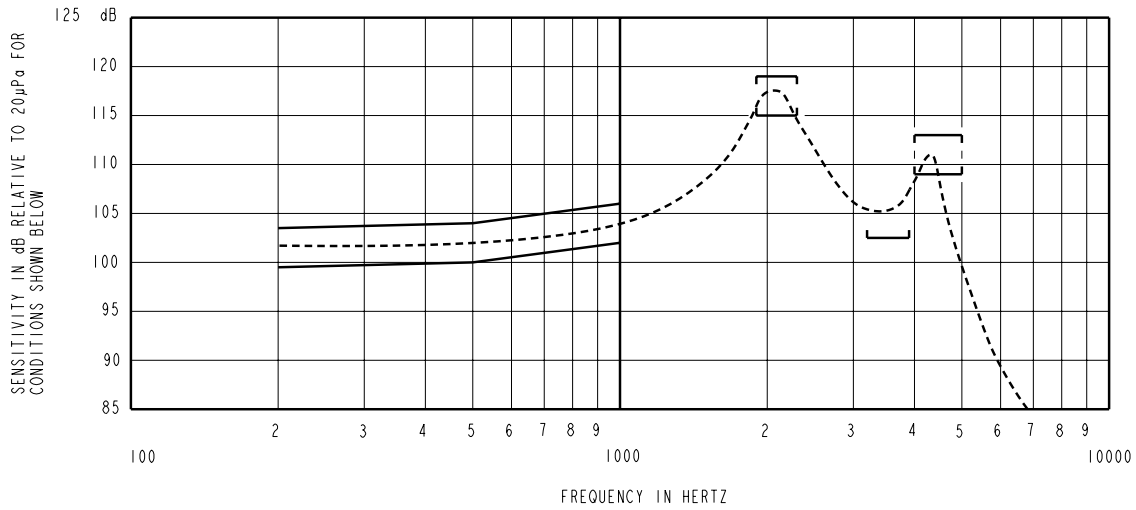
SCALE 2:1
NOMINAL WEIGHT .31 GRAM
DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
CRG	C10103542	12-30-05	Released	B
A	C10103002	9-12-05		

SCALE:	4:1		DR. BY	DATE
DO NOT SCALE DRAWING			MMM	9-12-05
TITLE:	RECEIVER	ED-29689-000	GJP	9-13-05
	OUTLINE DRAWING	SHT 1.1	APP. BY	DATE
			GJP	9-13-05

KE111ASTZEE.FRM Rev: B



NOTES:

1. MEASUREMENTS MADE USING 10mm (.394") X 1mm (.039") ID TUBE CONNECTED TO A SIMULATED ANSI S3.7-1973 TYPE HA-3 COUPLER. (IEC 126).

FREQUENCY	SENSITIVITY	
	MIN.	MAX.
200	99.5	103.5
500	100.0	104.0
1000	102.0	106.0
1900-2300	115.0	119.0
3200-3900	102.5	---
4000-5000	109.0	113.0

- 3. RESPONSE, IMPEDANCE, AND DISTORTION MEASUREMENTS MADE USING THE ELECTRICAL TEST CONDITIONS SHOWN BELOW.
- 4. ELECTRICAL SOURCE IMPEDANCE MUST BE GREATER THAN 20 TIMES 1KHz IMPEDANCE FOR TEST CONDITIONS SHOWN BELOW.
- 5. INDIVIDUAL SPECIFICATIONS.

PORT LOCATION	IMPEDANCE OHMS ±15%		DCR @20°C OHMS ±10%	DISTORTION		ELECTRICAL TEST CONDITIONS	
	1KHz	500Hz		MAX. %	FREQ Hz	AC mA RMS	DC mA
	12C	10.2	7.1	3.65	5	800	6.3

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
CRG	C10103542	12-30-05	Released	B
A	C10103002	9-12-05		

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ITASCA, ILLINOIS U.S.A.

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

TITLE: **RECEIVER**
 PERFORMANCE SPECIFICATION

ED-29689-000
 SHT 2.1

DR. BY	DATE
MMM	9-12-05
CK. BY	DATE
GJP	9-13-05
APP. BY	DATE
GJP	9-13-05