

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: CI-28512-017

Manufacturer: Knowles

Package: Tray

Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/knowles/ci-28512-017.html>

Request a Quote:

[Submit RFQ for this part](#)



Scan for product page

Contact Information

Email: info@antrexco.com

WhatsApp: +86-186-8066-5326

Website: <https://antrexco.com>

Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

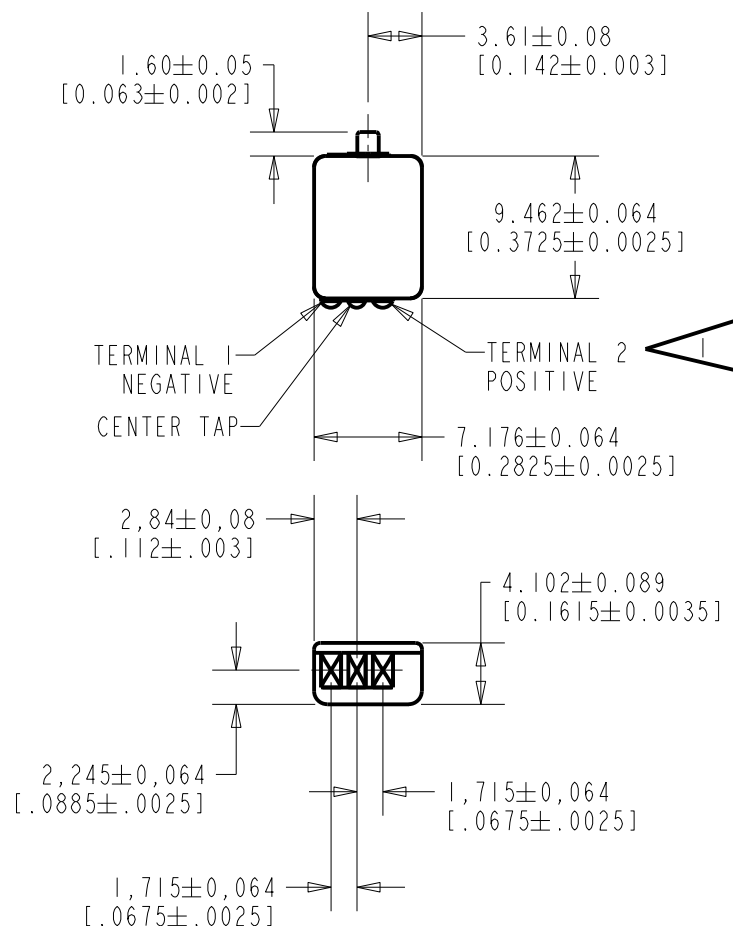
Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

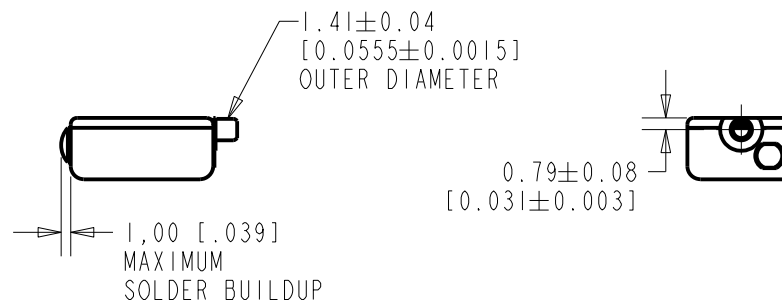
CI-28512-017

SHT 1.1



NOTES:

1 A POSITIVE GOING VOLTAGE AT TERMINAL 2, RELATIVE TO TERMINAL 1, CAUSES AN INCREASE IN PRESSURE AT THE SOUND OUTLET.



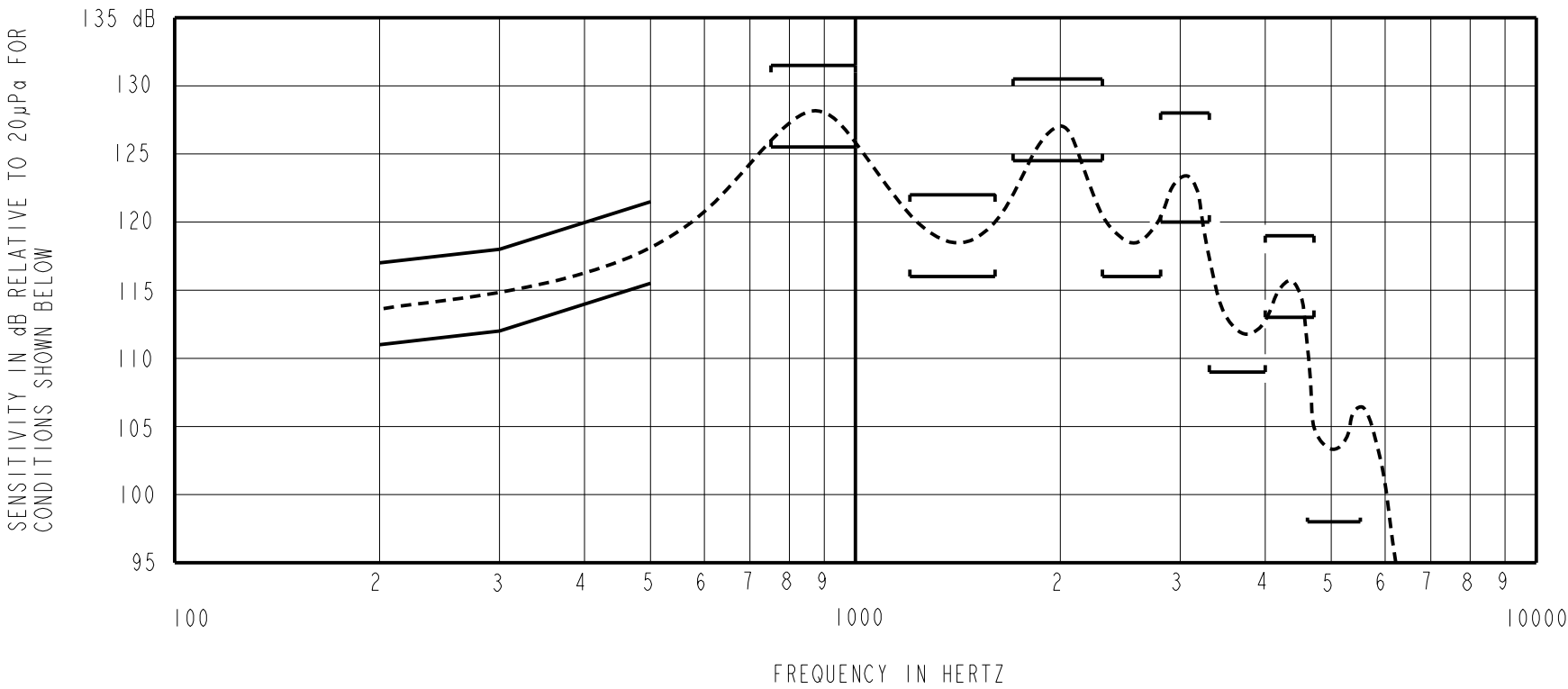
NOMINAL WEIGHT
1.0 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	CI0111948	12-31-10	Active	C
B	CI0111000	5-17-10		
A	CI0103478	11-30-05		
SCALE: 2:1			DR. BY DMS	DATE 11-30-05
DO NOT SCALE DRAWING			CK. BY GJP	DATE 12-5-05
TITLE: RECEIVER		CI-28512-017	APP. BY GJP	DATE 12-5-05
OUTLINE DRAWING		SHT 1.1	Rev: B	

NO DAMPING



NOTES:

1. MEASUREMENTS MADE USING 8mm (.315") X 1mm (.039") ID + 28mm (1.10") X 1.5mm (.059") ID EAR HOOK SIMULATOR INTO 25mm (.984") OF 2 mm (.079") ID TUBE + 18mm (.709") OF 3mm (.118") ID TUBE + 2 cm³ CAVITY. ANSI S3.6 TYPE HA-3 (IEC 60318-5).

2. SENSITIVITY

FREQUENCY	MIN.	MAX.
200	111.0	117.0
300	112.0	118.0
500	115.5	120.5
750-1000	125.5	131.5
1200-1600	116.0	122.0
1700-2300	124.5	130.5
2300-2800	116.0	---
2800-3300	120.0	128.0
3300-4000	109.0	---
4000-4700	113.0	119.0
4800-5500	98.0	---

3. RESPONSE, IMPEDANCE, AND DISTORTION MEASUREMENTS MADE USING THE ELECTRICAL TEST CONDITIONS SHOWN BELOW.

4. INDIVIDUAL SPECIFICATIONS.

PORT LOCATION	ELECTRICAL TEST CONDITIONS				IMPEDANCE @ 500 Hz OHMS±15%	DCR @20°C OHMS ±10%	DISTORTION	
	RESPONSE & IMPEDANCE		DISTORTION				MAX. %	FREQ. Hz
	AC mA RMS	DC mA	AC mA RMS	DC mA				
12C	2.25	0.0	4.5	0.0	140	54.3	9	500

5. ELECTRICAL SOURCE IMPEDANCE MUST BE GREATER THAN 20 TIMES STATED IMPEDANCE FOR TEST CONDITIONS ABOVE.

6. SUFFIX DESCRIPTION:

- 1) BUZZ TEST:
CONSTANT VOLTAGE DRIVE SET TO 56.6mv/100Hz, FREQUENCY BAND IS 3550-6750 Hz, AND THE NOISE LIMIT IS 55mv.
- 2) APPLY GUARD BANDS FOR RESPOSE AND THD AS SPECIFIED ABOVE.
- 3) VISUALLY INSPECT UNITS FOR GOOD WORKMANSHIP EG. TERMINAL PADS, SOLDER, SCRATCHES, ETC.

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
C	CI0111948	12-31-10	Active		C
B	CI0111000	5-17-10			
A	CI0103478	11-30-05			
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			DR. BY	DATE	
TITLE: RECEIVER PERFORMANCE SPECIFICATION			DMS	11-30-05	
			CK. BY	DATE	
			GJP	12-5-05	
			APP. BY	DATE	
			GJP	12-5-05	
			CI-28512-017		
			SHT 2.1		