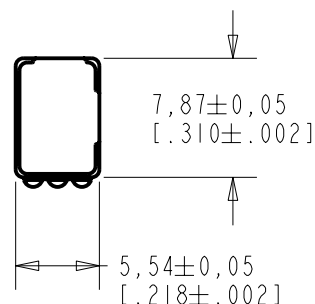


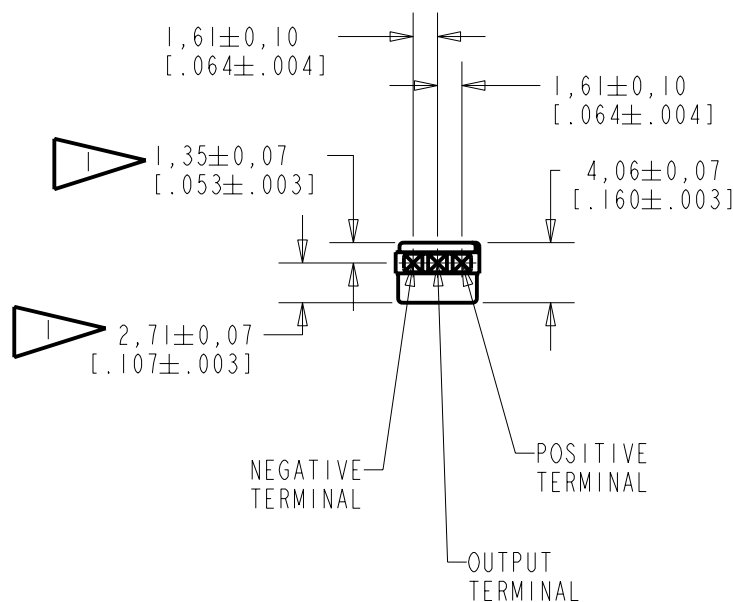
BU-30179-000

SHT 1.1

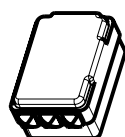


NOTE:

LOCATED FROM TWO SURFACES FOR CUSTOMER CONVENIENCE. ONLY APPLICABLE FROM ONE SURFACE, NOT TO BE USED TOGETHER. HORIZONTAL LOCATION FOR TERMINAL CENTERED TO  $\pm 0.17$  [0.007].



0.64 [0.025] MAXIMUM  
SOLDER BUILDUP



NOMINAL WEIGHT  
.28 GRAM

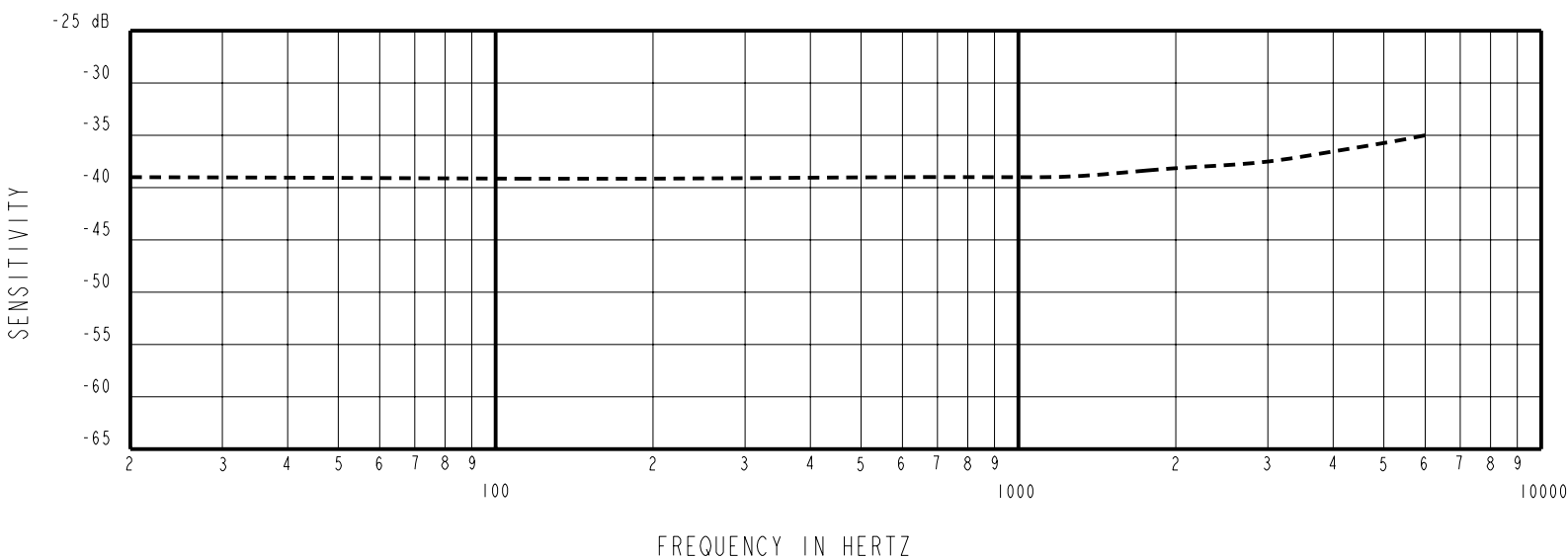
DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Released	A
A	MI0101513	6-26-07		
SCALE: 2:1			DR. BY DATE	
DO NOT SCALE DRAWING			LSY 6-26-07	
TITLE: VIBRATION TRANSDUCER  OUTLINE DRAWING			CK. BY DATE	
			GJP 6-27-07	
			APP. BY DATE	
			GJP 6-27-07	
			BU-30179-000	
			SHT 1.1	

**KNOWLES ELECTRONICS**  
ITASCA, ILLINOIS U.S.A.

NOTES:

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 VARIATIONS.

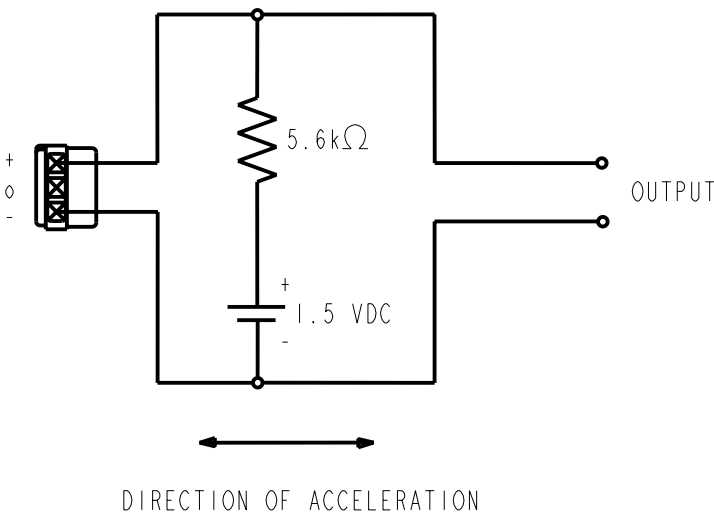


SENSITIVITY				DEVICE CONFORMITY	
FREQUENCY	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1 kHz	
300	---	-39.0	---	-1.5	+1.5
1000	-43.5	-39.0	-34.5	0	0
3000	---	-37.5	---	-1.0	+2.0

- NOTES:
- ALL DATA MEASURED WITH CIRCUIT CONFIGURATION SHOWN BELOW.
  - CASE CONNECTED TO NEGATIVE TERMIANL.

DC SUPPLY	BATTERY CURRENT DRAIN	"A" WEIGHTED NOISE (RE 1.0V)	OUTPUT IMPEDANCE OHMS (AT 1 kHz)		
			MIN.	NOM.	MAX.
1.5 V	50 $\mu$ A MAX.	-103 dB MAX.	4900	5200	5500

3. TEST CONDITIONS:



Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Released	A
A	MI0101513	6-26-07		

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
		LSY	6-26-07
		CK. BY	DATE
		GJP	6-27-07
TITLE: VIBRATION TRANSDUCER PERFORMANCE SPECIFICATION		BU-30179-000 SHT 2.1	
		APP. BY	DATE
		GJP	6-27-07

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