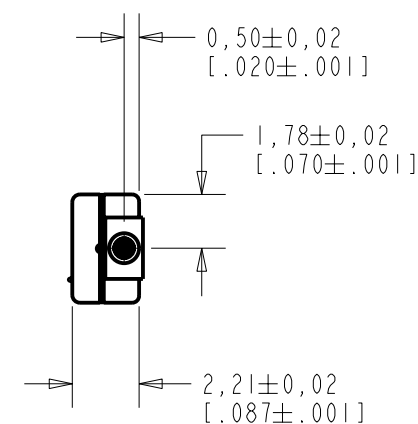
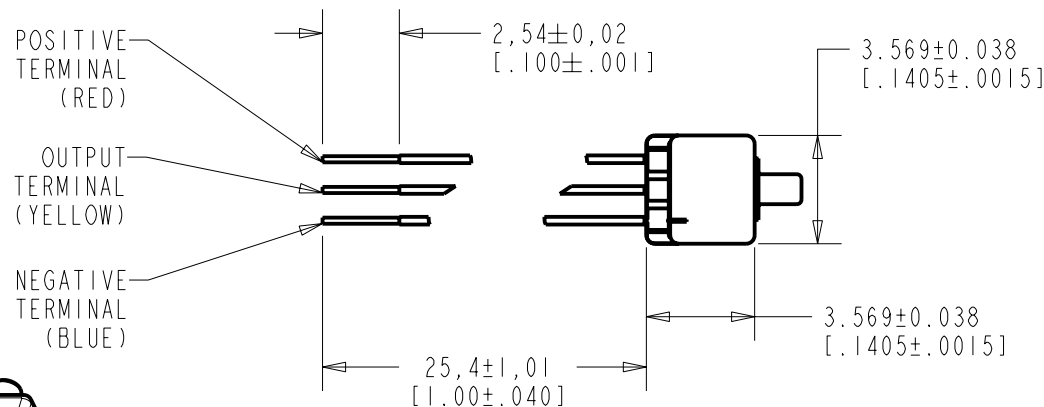
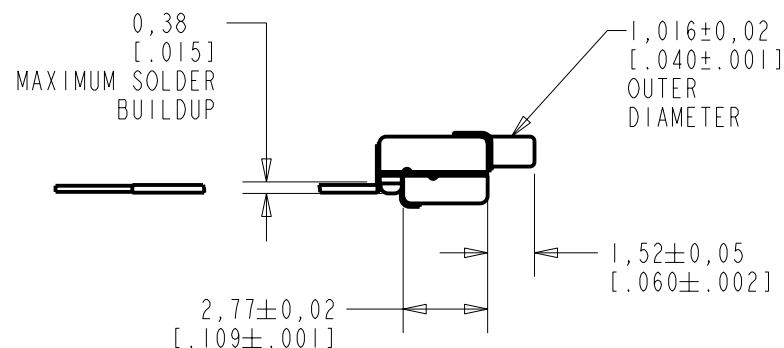


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SHT 1.1



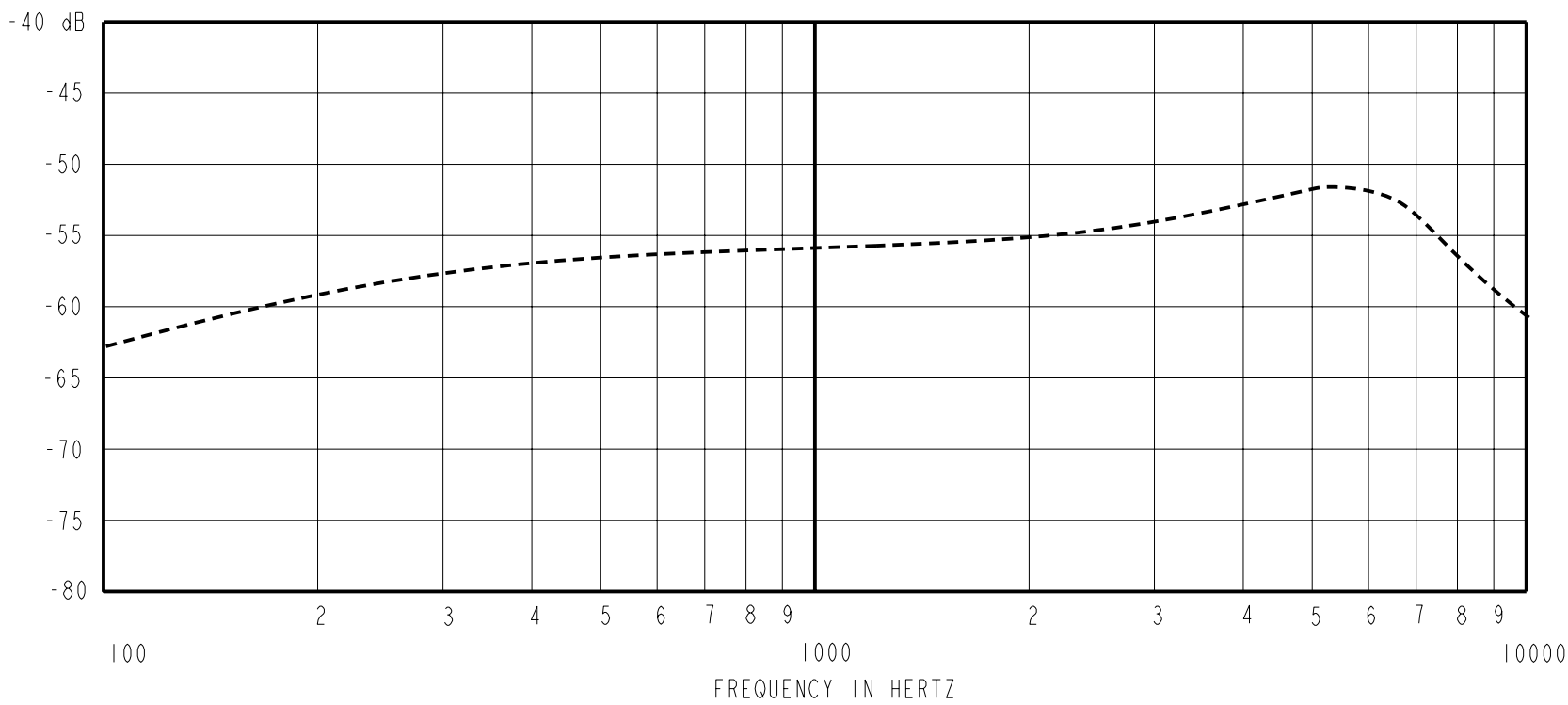
NOMINAL WEIGHT
.08 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	MI0101689	10-22-07	Released	B
A	MI0101235	9-13-06		
SCALE: 4:1			DR. BY LSY	DATE 9-13-06
DO NOT SCALE DRAWING			CK. BY GJP	DATE 9-14-06
TITLE: MICROPHONE			APP. BY GJP	DATE 9-14-06
OUTLINE DRAWING			EM-23046-P16 SHT 1.1	

SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/0.1 Pa (N/M²)
FOR CONDITIONS SHOWN BELOW.

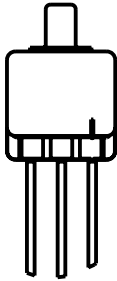
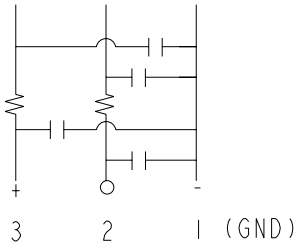


FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
100	---	-63.0	---	-10.0	-3.0
1000	-59.0	-56.0	-53.0	0.0	0.0
~5000	---	-51.5	---	+1.5	+7.5

- NOTES:
- CASE CONNECT TO NEGATIVE TERMINAL.
 - MICROPHONE TO BE FUNCTIONAL WITH 1.6 VDC SUPPLY.
 - TYPICAL SENSITIVITY TO HUMIDITY AT 1000Hz IS 0.03 dB/%RH
 - SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.
 - CAPACITANCE MEASUREMENT MADE WITH BOONTON MODEL 7200 OR EQUIVALENT WITH APPLIED AC VOLTAGE OF 15 mVOLTS AT 1 MHz AND 0 VDC. INCLUDES CIRCUIT CAPACITANCE IN PARALLEL WITH CAPACITOR.

PORT LOCATION	DC SUPPLY	AMPLIFIER CURRENT DRAIN	SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9 VDC	"A" WEIGHTED NOISE (1 kHz EQUIVALENT SPL)	OUTPUT IMPEDANCE OHMS (EACH HALF)			CAPACITANCE ± 50%	
					MIN.	NOM.	MAX.	1-2	1-3
12B	1.3V	50uA MAX.	3 dB MAX.	31.0 dB MAX.	2800	4400	6800	30pF±50%	30pF±50%

CAPACITANCE PROBE POINTS



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Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
B	M10101689	10-22-07	Released		B
A	M10101235	9-13-06			
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 9-13-06
TITLE: MICROPHONE PERFORMANCE SPECIFICATION			CK. BY DATE		GJP 9-14-06
			APP. BY DATE		GJP 9-14-06
			EM-23046-P16 SHT 2.1		