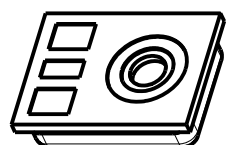
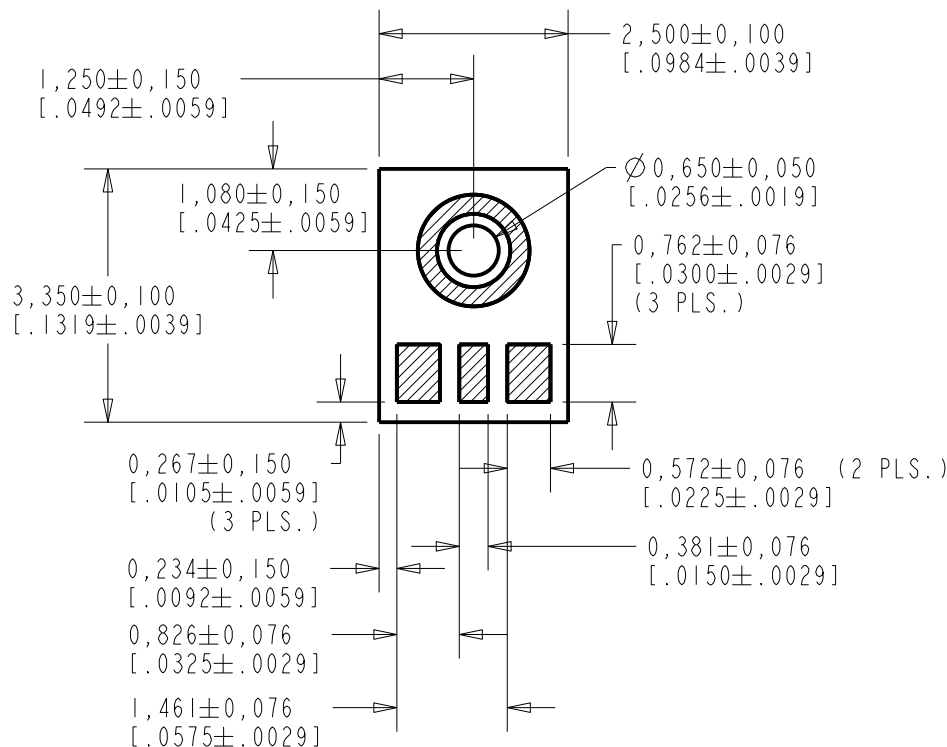


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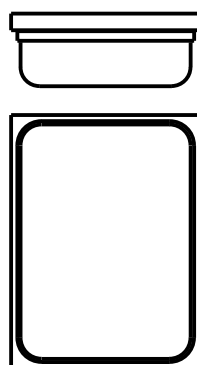
SHT 1.1

NOTES:

1. DO NOT PULL A VACUUM OR APPLY AIR PRESSURE OVER THE PORT HOLE OF THE MICROPHONE. PULLING A VACUUM OR APPLYING AIR PRESSURE OVER THE PORT HOLE CAN DAMAGE THE DEVICE.
2. DO NOT INSERT ANY OBJECT IN PORT HOLE OF DEVICE AT ANY TIME AS THIS CAN DAMAGE THE DEVICE.
3. RECOMMEND NO MORE THAN 3 REFLOW CYCLES.



NOMINAL WEIGHT
.020 GRAMS



DIMENSIONS IN MILLIMETERS [INCHES]

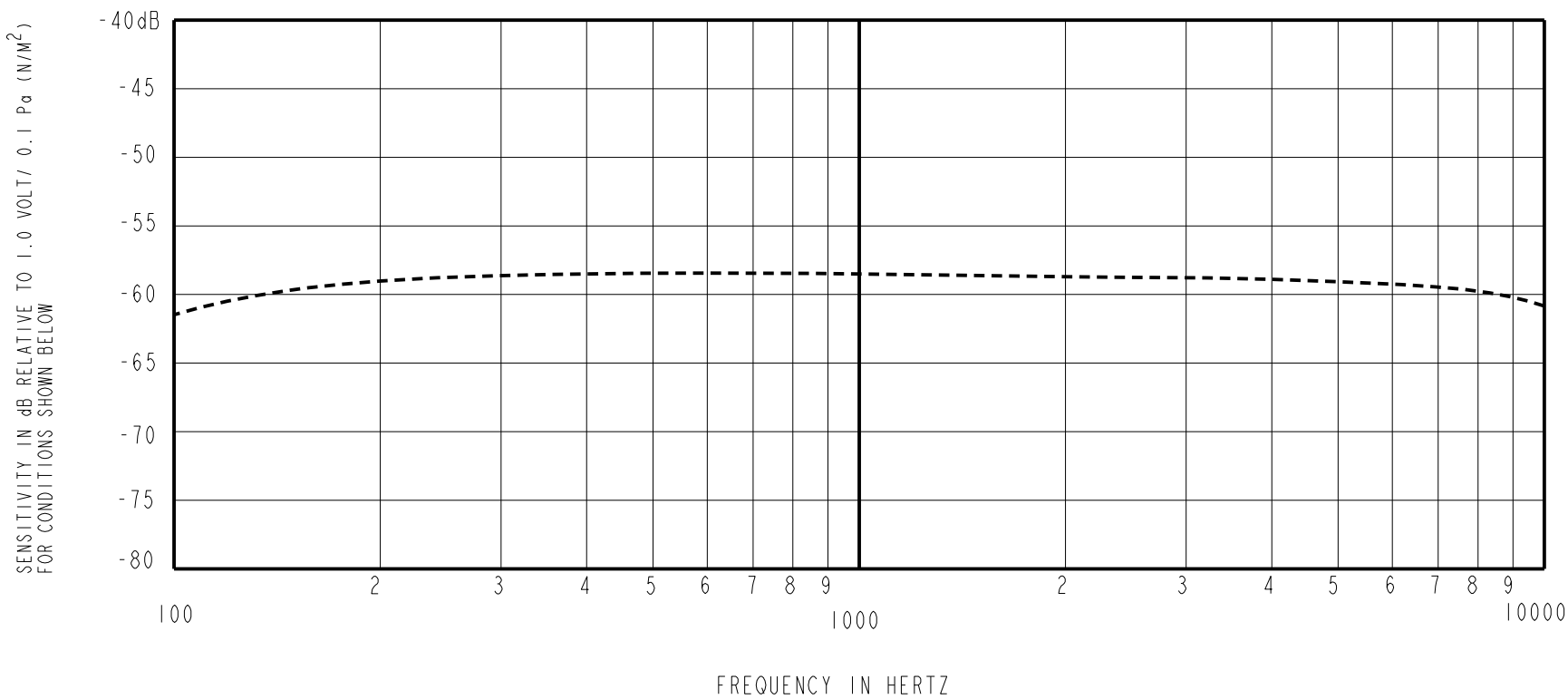
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Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	MI0105812	11-17-14		
SCALE: 10:1			DR. BY	DATE
DO NOT SCALE DRAWING			JL	11-17-14
			CK. BY	DATE
TITLE: MICROPHONE			GJP	11-20-14
			APP. BY	DATE
OUTLINE DRAWING			GJP	11-20-14

MM-32325-000

SHT 1.1

TYPICAL SENSITIVITY

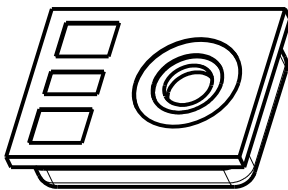


SENSITIVITY MEASURED IN A PRESSURE CAVITY UNDER THE NOMINAL CONDITIONS SHOWN BELOW

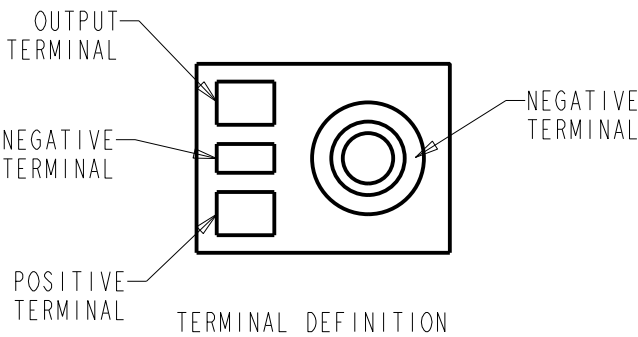
POWER REQUIREMENT						
PARAMETER		UNIT	MINIMUM	NOMINAL	MAXIMUM	REMARKS
SUPPLY VOLTAGE RANGE		VDC	0.9	0.9	1.3	OPERATING

PERFORMANCE						
PARAMETERS		UNIT	MINIMUM	NOMINAL	MAXIMUM	REMARKS
SENSITIVITY	100 Hz	dB	-4.5	-2.5	-0.5	re SENSITIVITY AT 1 kHz
	1000 Hz	dB	-61.5	-58.5	-55.5	dB re 1V/0.1Pa
	10 kHz	dB	-5.0	-2.0	+1.0	re SENSITIVITY AT 1 kHz
CURRENT DRAIN		µA	-	28	39	-
A-WEIGHTED NOISE		dB SPL	-	26.5	30	INPUT REFERRED NOISE re SENSITIVITY AT 1kHz
OUTPUT IMPEDANCE		Ohms	3200	4450	5700	-

- NOTES: 1. REFLOWED CUP CONNECTED TO NEGATIVE TERMINAL.
2. PERFORMANCE PARAMETERS ARE VALID AT 0.9 VDC. TYPICAL TEST ENVIRONMENT:50% RH, 21°C (70°F)
3. SETTLE VL SPEC RANGES FROM 0.53 TO 0.67 AT 0.9 VDC BY DESIGN.



PORT LOCATION: 12JPn



Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	MI0105812	11-17-14		

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
			JL	11-17-14
			CK. BY	DATE
			GJP	11-20-14
TITLE: MICROPHONE			MOM-32325-000	
PERFORMANCE SPECIFICATION			SHT 2.1	
			APP. BY	DATE
			GJP	11-20-14

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SHEET 2.2

A) 1/3 OCTAVE INPUT REFERRED NOISE



PERFORMANCE						
PARAMETERS		UNIT	MINIMUM	TYPICAL	MAXIMUM	REMARKS
POWER SUPPLY REJECTION RATIO (PSRR)	1000 Hz	dB	-	-42	-18	SUPPLY VOLTAGE @ 0.9 VDC
				-	-	SUPPLY VOLTAGE @ 1.3 VDC
INPUT REFERRED VIBRATION SENSITIVITY	1000 Hz	dB SPL	-	54	60	BLOCKED PORT; 1g ACCELERATION
HUMIDITY COEFFICIENT	1000 Hz	dB		0.0		PER %RH
TEMPERATURE RANGE	OPERATION	°C (°F)	0 (32)	-	63 (145)	CELSIUS (FAHRENHEIT)
	STORAGE	°C (°F)	-40 (-40)	-	100 (212)	CELSIUS (FAHRENHEIT)
ESD TOLERANCE	MIL-STD-750 CLASS 2 RATING EOS/ESD-S5.1-1993 CLASS 2 RATING					

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	MI0105812	11-17-14		
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 JL DATE 11-17-14
TITLE: MICROPHONE PERFORMANCE SPECIFICATION			MOM-32325-000 SHT 2.2	CK. BY GJP DATE 11-20-14
				APP. BY GJP DATE 11-20-14

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