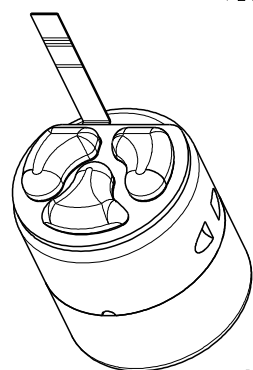
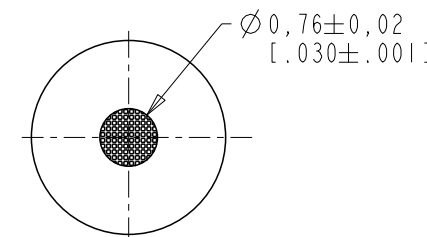
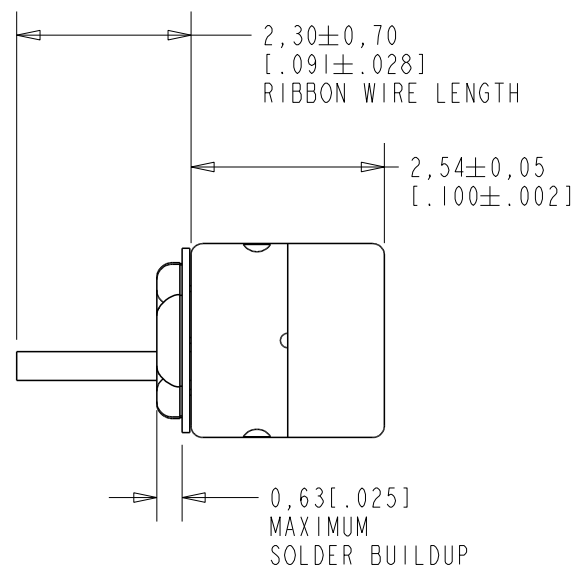
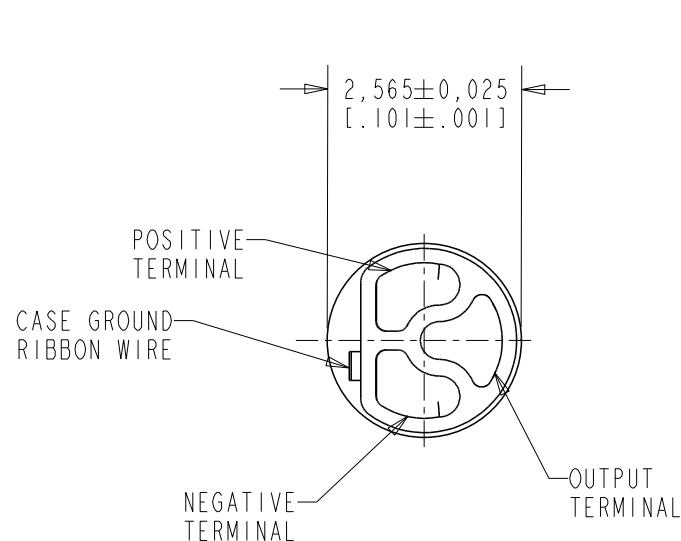


FG45-32491-000

SHT 1.1

NOTES:

1. INCREASED PRESSURE AT THE SOUND INLET CAUSES A POSITIVE GOING VOLTAGE TO APPEAR AT THE OUTPUT TERMINAL, RELATIVE TO THE NEGATIVE TERMINAL.

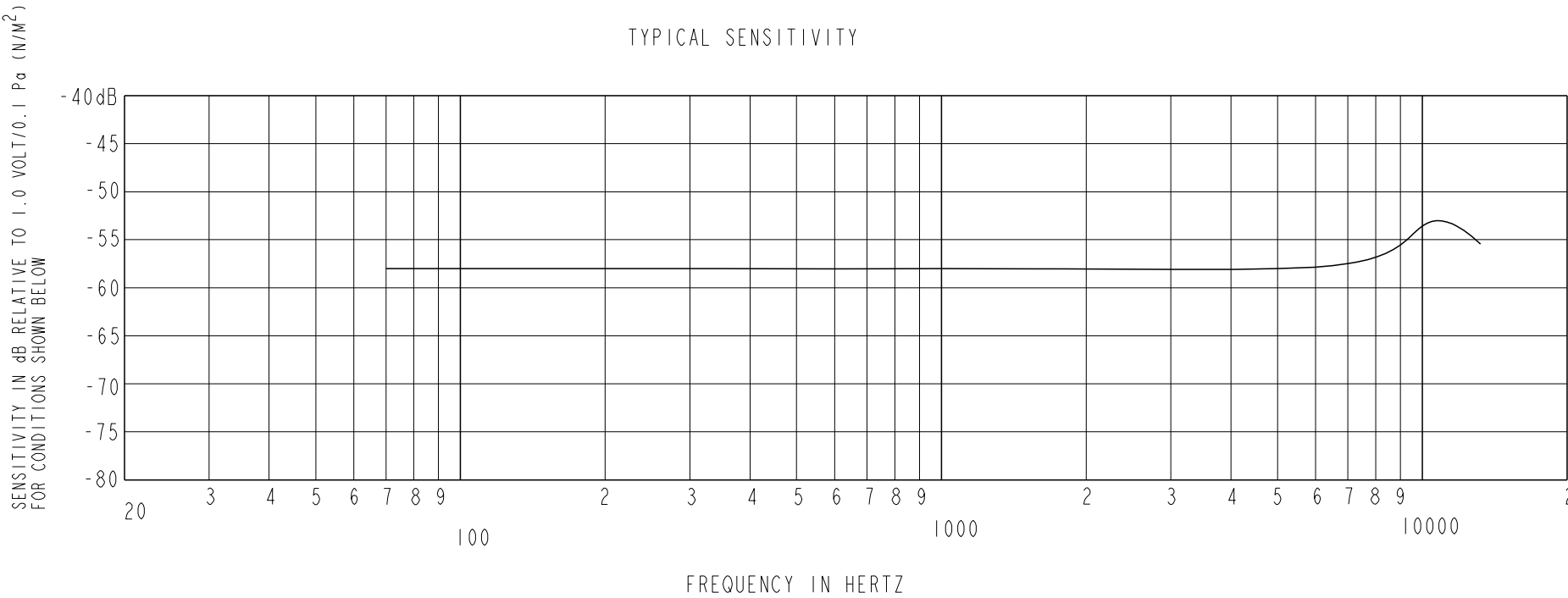


NOMINAL WEIGHT 0.037 GRAMS
DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES CORPORATION

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	MI0106974	11-3-16		
SCALE: 10:1			DR. BY NANC	DATE 11-3-16
DO NOT SCALE DRAWING			CK. BY GJP	DATE 11-3-16
TITLE: MICROPHONE		FG45-32491-000	APP. BY GJP	DATE 11-3-16
OUTLINE DRAWING		SHT 1.1		

RoHS COMPLIANT

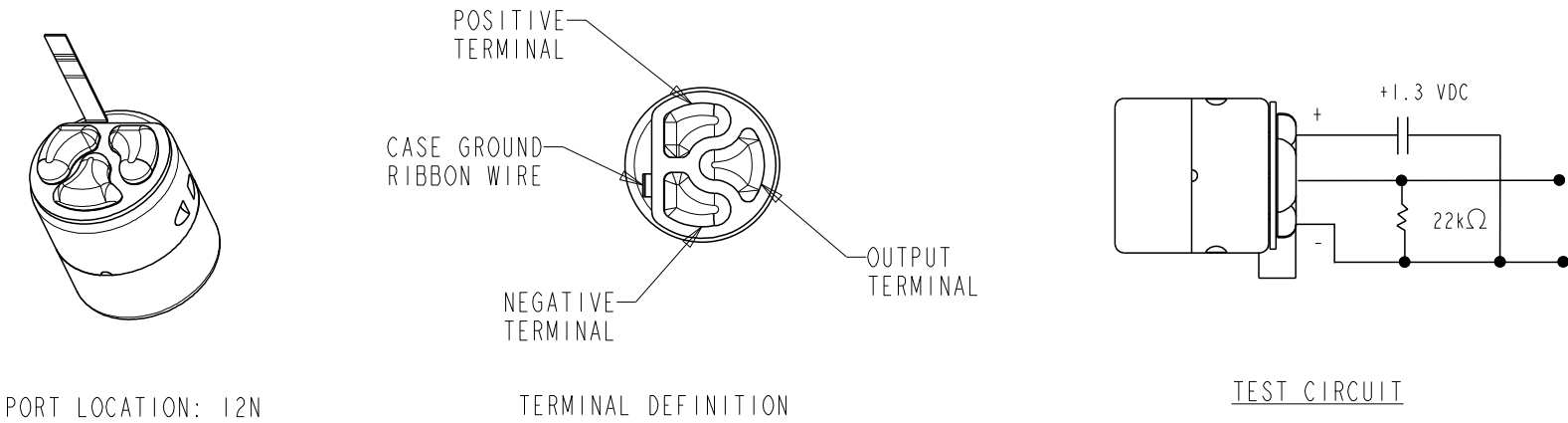


SENSITIVITY MEASURED IN A PRESSURE CAVITY UNDER THE NOMINAL CONDITIONS SHOWN BELOW

POWER REQUIREMENT					
PARAMETER	UNIT	MINIMUM	NOMINAL	MAXIMUM	REMARKS
DC POWER SUPPLY	VDC	0.9	1.3	10.0	-

PERFORMANCE						
PARAMETERS		UNIT	MINIMUM	NOMINAL	MAXIMUM	REMARKS
SENSITIVITY	80 Hz	dB	-2.0	0.0	2.0	re SENSITIVITY AT 1 kHz
	1000 Hz	dB	-61	-58	-55	dB re 1V/0.1Pa
	10000 Hz	dB	1.5	4.5	7.5	re SENSITIVITY AT 1 kHz
SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9 VDC	1000 Hz	dB	-3.0	0.0	3.0	REDUCED FROM 1.3 VDC TO 0.9 VDC
AMPLIFIER CURRENT DRAIN		uA	-	17	40	-
OUTPUT LOAD VOLTAGE		V _L	0.20	0.40	0.90	WITH TEST CIRCUIT
A-WEIGHTED NOISE		dB(A)	-	34.5	40.0	INPUT REFERRED NOISE, dB(A) SPL, re SENSITIVITY AT 1kHz
OUTPUT IMPEDANCE		Ohms	2750	4400	6750	WITH TEST CIRCUIT

- NOTES: 1. CASE CONNECTED TO NEGATIVE TERMINAL.
2. SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 1.3 VDC AND 22KOHM LOAD IMPEDANCE TYPICAL TEST ENVIRONMENT:50% RH, 21°C(70°F)
3. MICROPHONE TO BE FUNCTIONAL WITH 10V DC SUPPLY



KNOWLES CORPORATION

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	M10106974	11-3-16		
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
			NANC	11-3-16
			CK. BY	DATE
			GJP	11-3-16
TITLE: MICROPHONE			APP. BY	DATE
			GJP	11-3-16
PERFORMANCE SPECIFICATION			FG45-32491-000 SHT 2.1	

Mouser Electronics

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