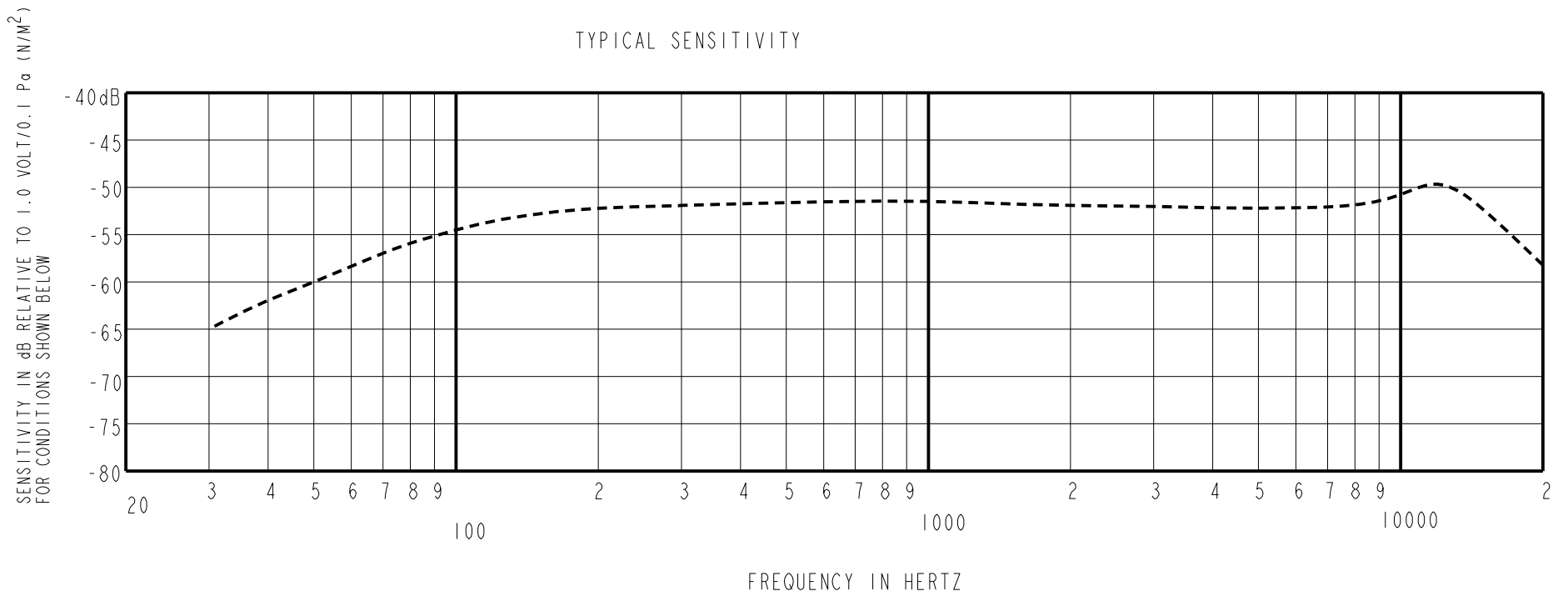


RoHS COMPLIANT

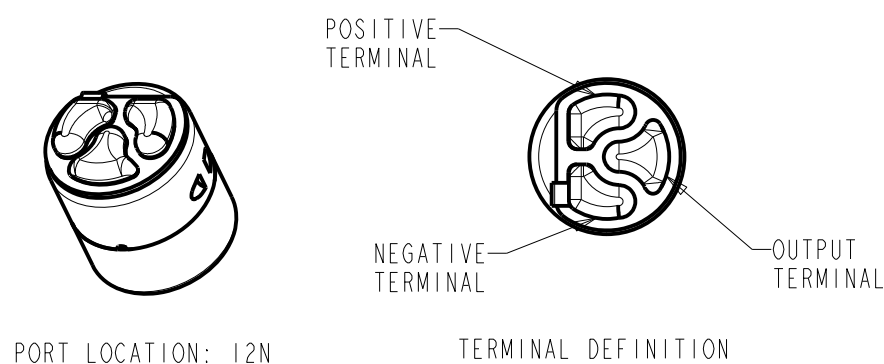


SENSITIVITY MEASURED IN A PRESSURE CAVITY UNDER THE NOMINAL CONDITIONS SHOWN BELOW

POWER REQUIREMENT					
PARAMETER	UNIT	MINIMUM	NOMINAL	MAXIMUM	REMARKS
DC POWER SUPPLY	VDC	0.9	1.3	1.6	-

PERFORMANCE						
PARAMETERS		UNIT	MINIMUM	NOMINAL	MAXIMUM	REMARKS
SENSITIVITY	100 Hz	dB	-6.0	-3.0	0.0	re SENSITIVITY AT 1 kHz
	1000 Hz	dB	-54.5	-51.5	-48.5	dB re 1V/0.1Pa
	10000-14000 Hz	dB	-1.0	2.0	5.0	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		μA	-	26.5	30	-
OUTPUT LOAD VOLTAGE		V _L	0.20	0.45	0.90	OPEN LOAD
A-WEIGHTED NOISE		dB(A)	-	25.0	28.0	INPUT REFERRED NOISE, dB(A) SPL, re SENSITIVITY AT 1kHz
OUTPUT IMPEDANCE		Ohms	2750	4400	6750	

- NOTES: 1. CASE CONNECTED TO NEGATIVE TERMINAL.
2. SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 1.3 VDC AND 909KOhm//<1500pF LOAD IMPEDANCE TYPICAL TEST ENVIRONMENT: 50% RH, 21°C (70°F)



KNOWLES RESERVES THE RIGHT TO MAKE CHANGES TO IMPROVE RELIABILITY AND PERFORMANCE OF THE PRODUCT

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
G	MI0105709	10-23-14	Active	G

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

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

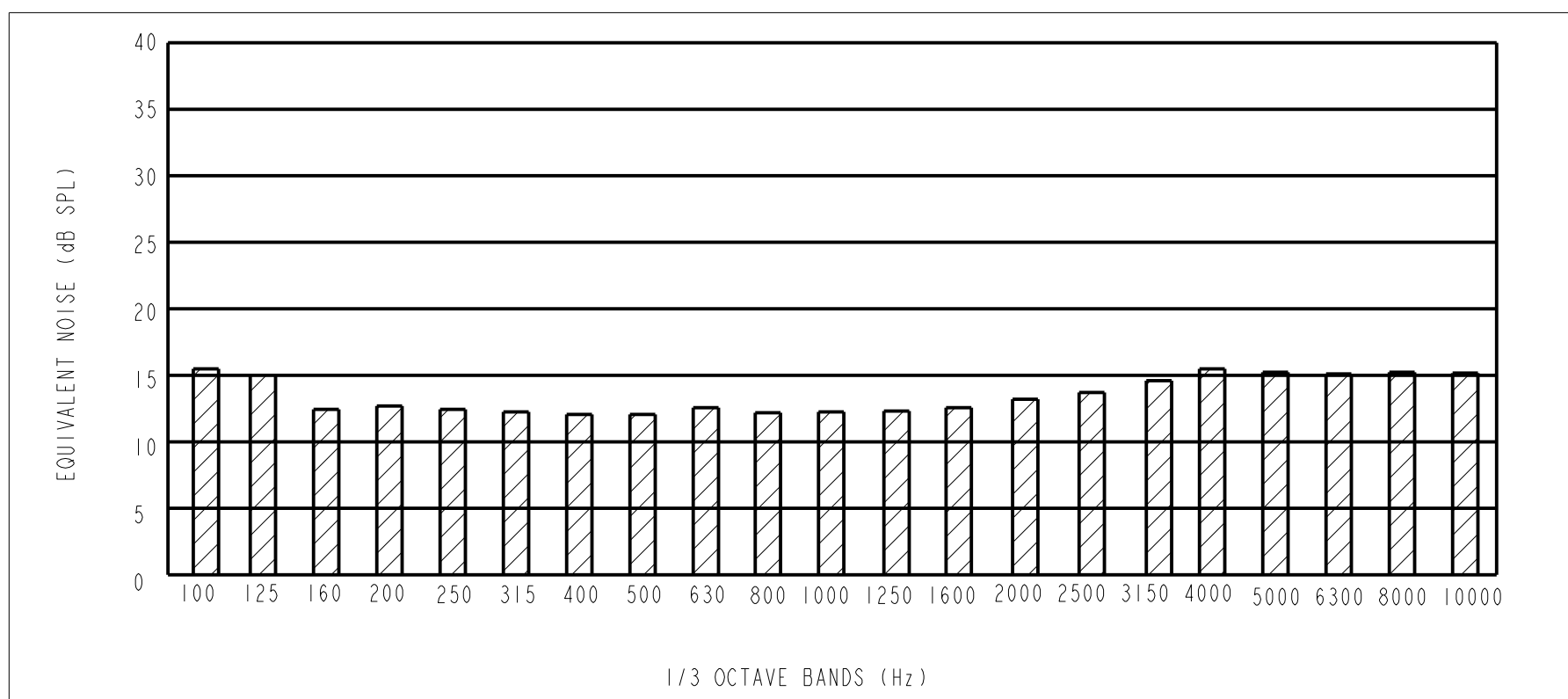
TITLE: **MICROPHONE**
PERFORMANCE SPECIFICATION

FC38-30797-000
SHT 2.1

DR. BY	DATE
SDZ	7-24-09
CK. BY	DATE
GJP	7-27-09
APP. BY	DATE
GJP	7-27-09

RoHS COMPLIANT

A) 1/3 OCTAVE INPUT REFERRED NOISE



B) PERFORMANCE

PERFORMANCE						
PARAMETERS		UNIT	MINIMUM	NOMINAL	MAXIMUM	REMARKS
POWER SUPPLY REJECTION RATIO (PSRR)	1000 Hz	dB	-	-32	-20	SUPPLY VOLTAGE @ 1.3 VDC
INPUT REFERRED VIBRATION SENSITIVITY	1000 Hz	dB SPL	-	-	57	BLOCKED PORT; 1g ACCELERATION
HUMIDITY COEFFICIENT	1000 Hz	dB		0.06		PER %RH
TEMPERATURE RANGE	OPERATION	°C(°F)	-17(1.4)	-	63(145.4)	CELSIUS(FAHRENHEIT)
	STORAGE	°C(°F)	-40(-40)	-	63(145.4)	CELSIUS(FAHRENHEIT)
ESD TOLERANCE	MIL-STD-750 CLASS 2 RATING EOS/ESD-S5.1-1993 CLASS 2 RATING					

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Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
G	MI0105709	10-23-14	Active	G

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: MICROPHONE PERFORMANCE SPECIFICATION		SDZ	7-24-09
		GJP	7-27-09
FC38-30797-000 SHT 2.2		APP. BY	DATE
		GJP	7-27-09

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