





FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1kHz	
100	---	-53	---	-3.0	+4.0
300	---	-53	---	-3.0	+3.0
1000	-58	-55	-52	0.0	0.0
4000	---	-54	---	-3.0	+3.0
10000	---	-52	---	-3.0	+10.0

NOTES:

1. MICROPHONE TO BE FUNCTIONAL WITH 3.0 VDC SUPPLY.
2. TYPICAL SENSITIVITY TO HUMIDITY AT 1000Hz IS 0.06 dB/%RH
3. SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.

PORT LOCATION	DC SUPPLY	AMPLIFIER CURRENT DRAIN	SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9VDC	"A" WEIGHTED NOISE [1 kHz EQUIV. SPL]	OUTPUT IMPEDANCE OHMS		
					MIN.	NOM.	MAX.
12S	1.3V	0.05mA MAX.	3dB MAX.	30dB MAX.	2800	4400	6800

4. SURVIVES SUBMERSION IN 1m OF WATER FOR 30 MINUTES AND PASS FUNCTIONAL TEST, SENSITIVITY WITHIN 3dB OF INITIAL SENSITIVITY.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	C40101001	5-03-12	Active	B
A	C40100953	3-26-12		

**KNOWLES ACOUSTICS**  
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 ASSEMBLY** VFG-30747-000  
PERFORMANCE SPECIFICATION SHT 2.1

DR. BY	DATE
LSY	3-26-12
CK. BY	DATE
GJP	3-27-12
APP. BY	DATE
GJP	3-27-12