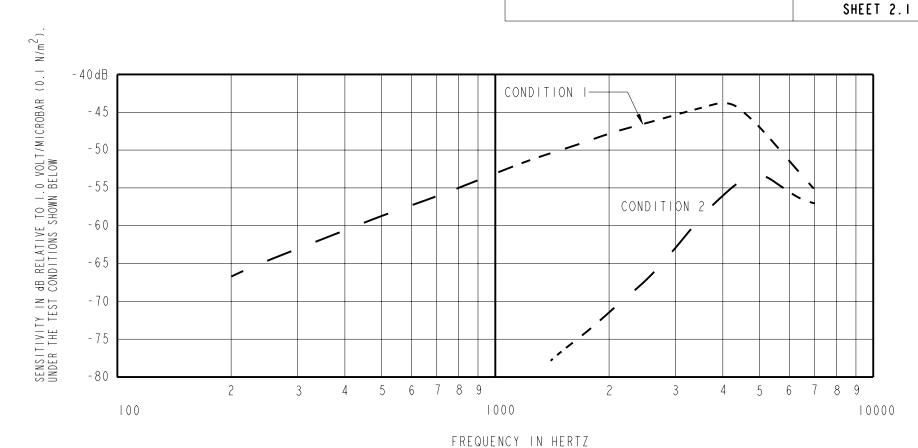
EL-29924-P25 REAR SHT I.I [0.055] OUTER DIAMETER - 4.00 [0.157] MAX. FRONT [0.220] MAX. 1.63 ± 0.50 $[0.064\pm0.020]$ 1.63 ± 0.50 $[0.064 \pm 0.020]$ RED-YELLOW-GREEN- 15.0 ± 0.6 $[0.590\pm0.024]$ 1.59 **-** 1.59 [0.063] [0.063] 1.12 2.28 - 0.64 [0.044] [0.090] MAX. [0.025] MAXIMUM -POSITIVE NEGATIVE SOLDER BUILDUP TERMINAL TERMINAL OUTPUT-TERMINAL NOMINAL WEIGHT Revision C.O. # Implementation Date RELEASE LEVEL REVISION . I3 GRAM Released DIMENSIONS IN MILLIMETERS [INCHES] 09/28/05 MI0100789 SCALE: 2:1 **KNOWLES ELECTRONICS** 09/15/05 DMS DO NOT SCALE DRAWING CK. BY DATE ITASCA, ILLINOIS U.S.A. TITLE: MICROPHONE ASSEMBLY EL-29924-P25 GJP 09/28/05 APP. BY DATE OUTLINE DRAWING SHT I.I 09/28/05



CONDIT	ION I SE	ENSITIVIT	- Υ
FREQUENCY	<u>MIN</u> .	NOM.	$\underline{\hspace{1cm}}$ MAX.
300		-63.0	
1000	-55.0	-53.0	-51.0
3100-5100		-44.5	

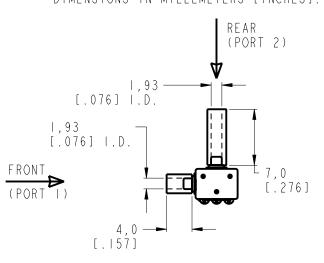
DEVICE CONFORMITY

RANGE	OF DEVIAT	ION FROM I kHz
CONDI	TION	CONDITION 2
-8.5	-11.5	
0.0	0.0	-20.0 MIN.
+3.5	+ 3 . 5	

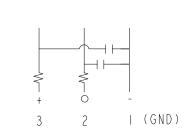
NOTES:

- I. MICROPHONE TO BE FUNCTIONAL WITH IOVDC SUPPLY.
- 2. TYPICAL SENSITIVITY TO HUMIDITY AT 1000 Hz IS 0.03 dB/%RH.
- 3. SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.
- 4. CASE CONNECTED TO NEGATIVE TERMINAL.

TEST CONDITIONS WITH TUBING AND SIGNALS DESCRIBED BELOW: DIMENSIONS IN MILLEMETERS [INCHES].



CAPACITANCE PROBE POINTS



CAPACITANCE ±50%			
OUTPUT TO NEGATIVE	OUTPUT TO POSITIVE	POSITIVE TO NEGATIVE	
(2-1)	(2-3)	(3-1)	
58pF	N/A	58pF	





FOR CONDITION 2

SIGNAL "A" IS APPLIED TO PORT I SIGNAL "B" IS APPLIED TO PORT 2

SIGNAL "A" IS APPLIED TO PORT 2 SIGNAL "B" IS APPLIED TO PORT I

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
				I , I
			l Released	I A I
Α	M10100789	09/28/05		/ \

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.

OUTPUT

I.3 VDC

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

CK. BY		
GJP	YFI - 29924-P25	TITLE: MICROPHONE ASSEMBL
APP. BY	122 23324 1 23	MICKOLHORE MODERADE
GJP	SHT 2.1	PERFORMANCE SPECIFICATION

l	DR. BY	DATE	
l	DMS	09/15/05	
l	CK. BY	DATE	
1	GJP	09/28/05	
l	APP. BY	DATE	
١	G.IP	09/28/05	