


100

## ACOUSTICAL

SENSITIVITY
device will produce the spl listed below under test conditions DESCRIBED IN TABLE 3. NOMINAL SENSITIVITY AT 500 Hz IS dB RELATIVE TO $20 \mu \mathrm{~Pa}$. ALL OTHER VALUES IN dB RELATIVE TO THE SENSITIVITY AT 500 Hz .

| FREQUENCY $(\mathrm{Hz})$ | MINIMUM | NOMINAL | MAXIMUM |
| :--- | :--- | :--- | :--- |
| 200 | -3.5 | -0.5 | +2.5 |
| 500 | -1.5 | 107.0 | +1.5 |
| $975-1315$ | +7.5 | +10.5 | +13.5 |
| $1465-1980$ | 0 | +3.0 | +6.0 |
| $1815-2455$ | +1.0 | +4.0 | +7.0 |
| $2575-3145$ | -5.5 | -2.5 | +0.5 |
| $3035-3710$ | -1.5 | 1.5 | +4.5 |
| $3745-4575$ | -10.0 | -7.0 | -4.0 |
| $4250-5190$ | -7 | -4 | -1 |
| 5412 | -12.5 | --- | -- |
| $5310-6490$ | -8.5 | -5.5 | -2.5 |

table ।
total harmonic distortion
DEVICE WILL NOT EXCEED TOTAL HARMONIC DISTORTION LEVELS LISTED BELOW.

| FREQUENCY (Hz) | AC DRIVE (V rms) | DC BIAS (mA) | LIMIT (\%) |
| :--- | :--- | :--- | :--- |
| 382 | 0.109 | 0 | 5 |
| 573 | 0.109 | 0 | 5 |
| 573 | 0.218 | 0 | 10 |

TEST CONDITIONS

ELECTRICAL

| DC RESISTANCE | 22 OHMS $\pm 10 \%$ |
| :--- | :--- |
| IMPEDANCE @ 500 Hz | 30 OHMS $\pm 15 \%$ |
| INDUCTANCE @ 500 Hz | $7.2 \mathrm{mH} \pm 15 \%$ |
| CAPACITANCE @ 10 MHz | $9.0 \mathrm{pF} \pm 20 \%$ |
| TABLE 4 |  |

ISOLATION: CASE WILL BE ELECTRICALLY ISOLATED FROM THE COIL CIRCUIT

## RED CONTROLLED

MECHANICAL
PORT LOCATION: IIS
SOLDER TYPE: SAC305
temperature
OPERATING RANGE FROM $0^{\circ} \mathrm{C}$ TO $63^{\circ} \mathrm{C}$ (SENSITIVITY WILL NOT VARY BY MORE THAN $\pm 3 \mathrm{~dB}$ WITHIN RANGE SENSITIVITY AT $0^{\circ} \mathrm{C}$ IS 2 dB LOWER THAN THE
sensitivity at room temperature
delta peak is I dB HIGHER AT BODY TEMPERATURE ( $37^{\circ} \mathrm{C}$ ) STORAGE RANGE FROM $-40^{\circ} \mathrm{C}$ TO $63^{\circ} \mathrm{C}$

NOMINAL SOURCE VOLTAGE
0.109 V rms, TO DELIVER 0.35 mVA AT 500 Hz

SOURCE IMPEDANCE
TUBING $\quad 8 \mathrm{~mm} \mathrm{X} 1 \mathrm{~mm} \mathrm{ID}+28 \mathrm{~mm} \times 1.5 \mathrm{~mm} 1 \mathrm{DEAR}$ HOOK SIMULATOR $+25 \mathrm{~mm} \times 2 \mathrm{~mm}$ ID TUBE $+18 \mathrm{~mm} \times 3 \mathrm{~mm}$ ID TUBE
COUPLER CAVITY

## table 3






## RED CONTROLLED



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