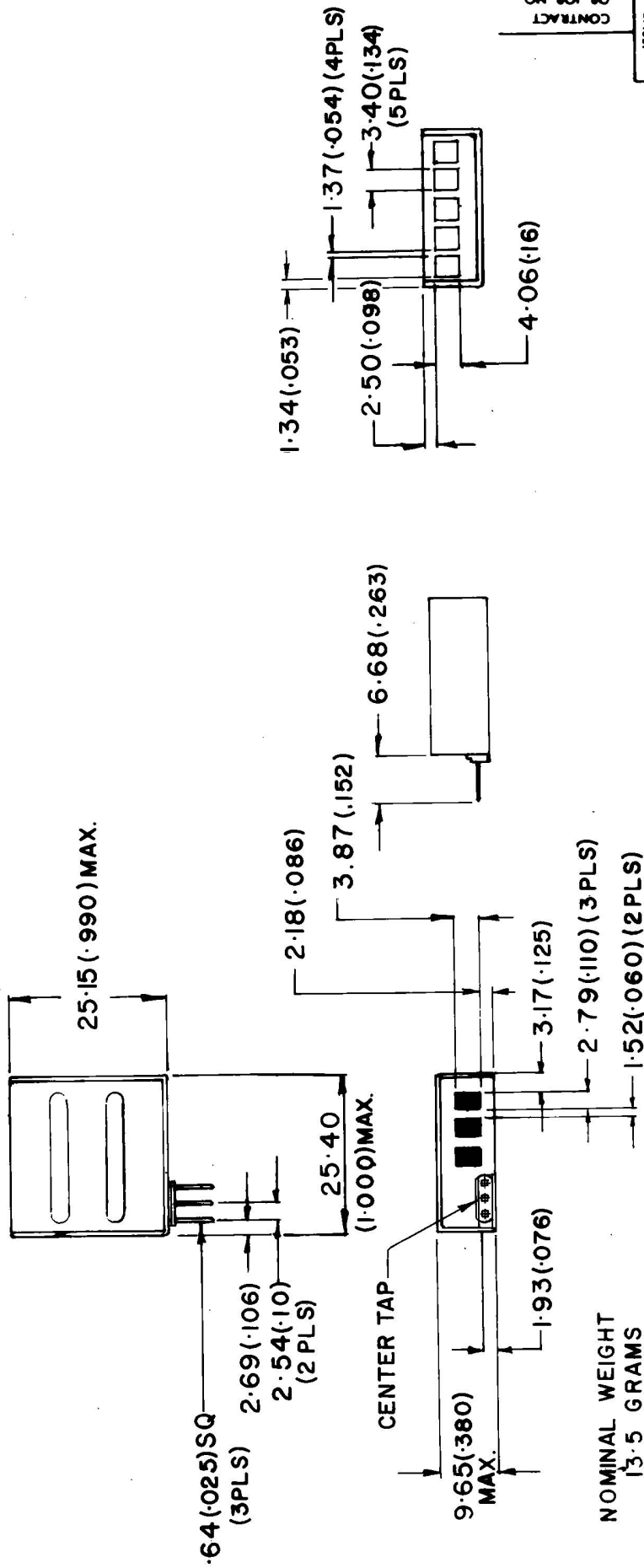


CB2850



DIMENSIONS IN MILLIMETERS (INCHES)

SCALE 1:1

DO NOT SCALE DRAWING

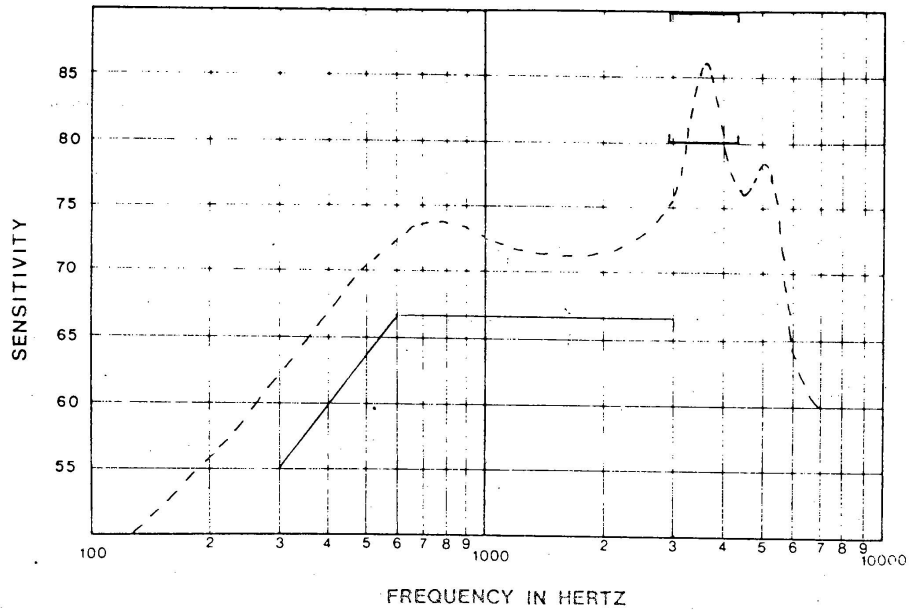
QTY 25	MATERIAL	DR BY JWS.	DATE 30-11-76
ASSEMBLY	FINISH	CH BY JWS	DATE 14.77
QTY 25	KNOWLES ELECTRONICS LTD. VICTORIA ROAD, BURGESS HILL, SUSSEX, ENGLAND		APP BY JWS
	TITLE: SUBMINIATURE SPEAKER		DATE 1 APR 77
	CB2850		
	OUTLINE DRAWING		SHT. 1.1

CONTRACT NO 98 08

ISSUE

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NOTE:  
When test limits are used to establish incoming inspection acceptance re-  
jection criteria, correlation of test equipment with Knowles is also required  
for elimination of equipment and test method variations



1. SENSITIVITY IN dB RELATIVE TO .0002 MICROBAR ( $2 \times 10^{-5} \text{ N/m}^2$ ) FOR THE CONDITIONS SHOWN IN # 2 & # 3 BELOW.
2. MEASUREMENTS MADE ON AXIS AT 300mm (11.81in) NORMAL TO THE SOUND PORT UNDER FREE FIELD (ANECHOIC) CONDITIONS. THE REAR PORT IS VENTED INTO A 160cm<sup>3</sup> DAMPED CAVITY FOR THIS MEASUREMENT.
3. ELECTRICAL SIGNAL (CONSTANT VOLTAGE):  
SOURCE IMPEDANCE: < 0.5 OHMS  
VOLTAGE APPLIED : 1.55 VOLTS RMS
4. NOMINAL IMPEDANCE:  
ACOUSTICAL CONDITIONS: SEE # 2 ABOVE  
ELECTRICAL CONDITIONS: SEE # 3 ABOVE  
IMPEDANCE AT 500 Hz : 48 OHMS  
IMPEDANCE AT 1 kHz : 48 OHMS
5. TOTAL HARMONIC DISTORTION:  
ACOUSTICAL CONDITIONS: SEE # 2 ABOVE  
ELECTRICAL CONDITIONS: SEE # 3 ABOVE  
FREQUENCY : 500 Hz  
DISTORTION : 15% MAX.
6. NOMINAL DC RESISTANCE @ 20°C: 21.5 OHMS

FREQUENCY	SENSITIVITY	
	MIN.	MAX.
300	55.0	
600	67.0	
3000	67.0	
3000-4500	80.0	90.0

TITLE  
SUBMINIATURE SPEAKER  
PERFORMANCE SPECIFICATION

KNOWLES ELECTRONICS LTD.  
VICTORIA ROAD BURGESS HILL, SUSSEX ENGLAND

CB 2850  
SHT 2.1

DR BY JWS	DATE 6-5-77	A	ISSUE
CH BY RJS	DATE 9-4-79		
AP BY SMAVY	DATE		