



REVISIONS

NO.	DESCRIPTION	REVISED BY	DATE APPROVED

CBS PHYSICAL INSTRUMENTS
MONTROSE, CALIFORNIA

SCHEMATIC

DUAL SQUARE WAVE OSCILLATOR #144

REL. NO.	SIZE (DWG. NO.)	REV.
	D 140160	1

SCALE: 1" = 1" (APPROX.)

UNLESS OTHERWISE SPECIFIED

FACTORS	TOLERANCES	RESISTORS	CAPACITORS	TRANSISTORS
RESISTORS	±5%	100K, 10K, 1K, 100Ω, 10Ω, 1Ω	100PF, 10PF, 1PF	2N4916, 2N3914
CAPACITORS	±5%	100K, 10K, 1K, 100Ω, 10Ω, 1Ω	100PF, 10PF, 1PF	2N4916, 2N3914
TRANSISTORS	±5%	100K, 10K, 1K, 100Ω, 10Ω, 1Ω	100PF, 10PF, 1PF	2N4916, 2N3914

RESISTORS IN OHMS ±10%, 1/4 WATT
UNLESS OTHERWISE SPECIFIED

6. LAST REFERENCE DESIGNATIONS USED ARE: J7, C24, R92, R102, R24, R45 (R1, R6, R7, R13, R45, R46, R47, R52, R53, R59, R61, R62 ARE OUT OF SEQUENCE)

7. TRANSISTORS ARE 2N3914 (EXCEPT AS NOTED)

8. ALL DIODES ARE 1N4148

9. TRANSISTORS Q1, Q2, Q3 & Q4 ARE DUAL INTERSIL TYPE 122

10. RESISTORS IN OHMS ±10%, 1/4 WATT UNLESS OTHERWISE SPECIFIED