

423 Z-AXIS AND HV REGULATOR

155-0051-00 M68

DESCRIPTION

This integrated circuit comprises two separate circuits, a HV Regulator Amplifier and the Z-Axis Amplifier.

The HV Regulator is a high gain non-inverting amplifier using a triple Darlington input for low bias current. A reference supply, also using a triple Darlington, establishes a differential input voltage.

The Z-Axis Amplifier is used in a feed-back mode with external circuitry. The current into the summing node is determined by three current inputs at -5 volts. This current is switched through hot carrier diodes by the unblanking current input.

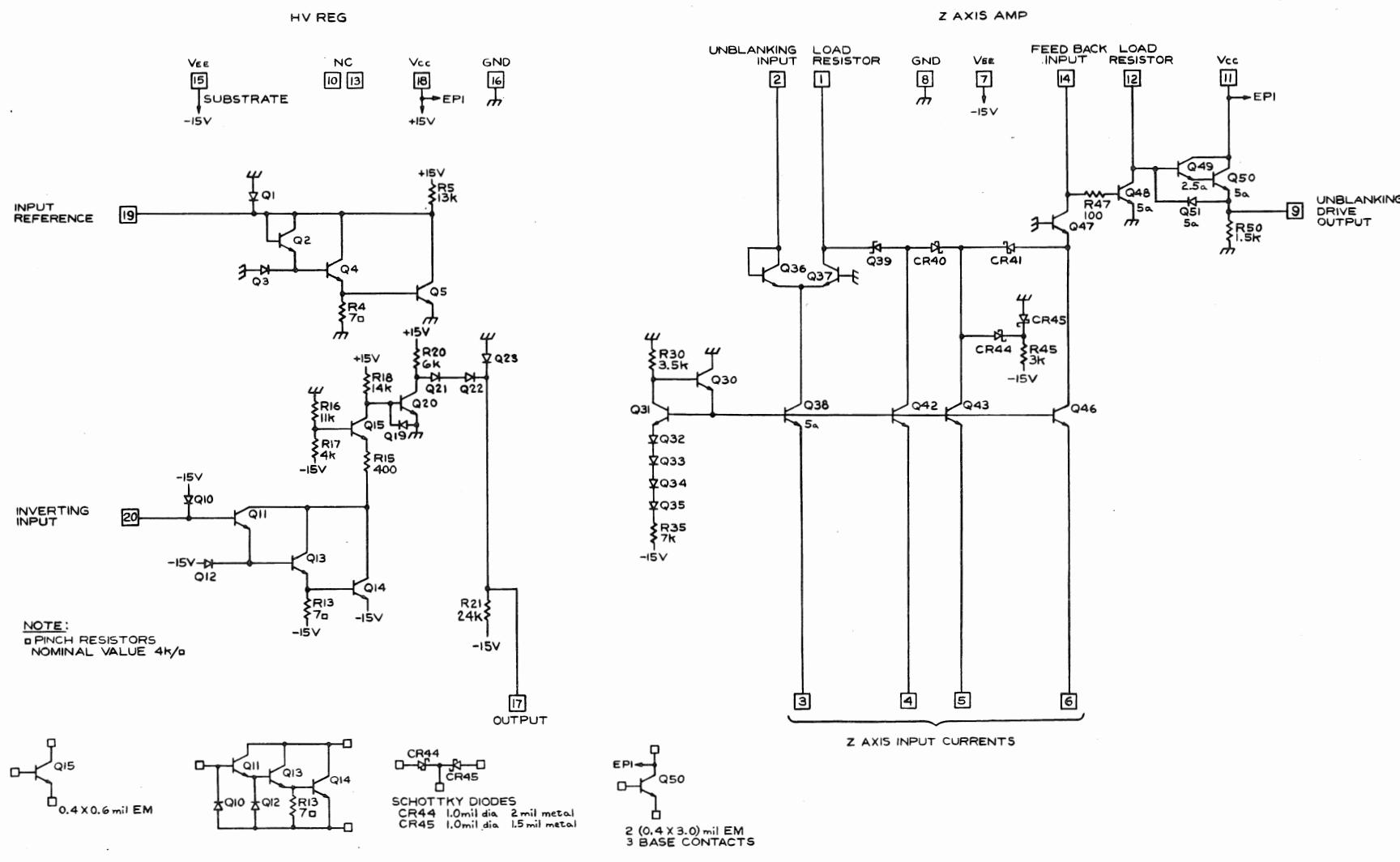
PROCESS 200 Ω -cm With Schottky

POWER SUPPLY. V_{CC} +15V, V_{EE} -15V

PACKAGE 20 DIP

DESIGNER Frank Churchill

INSTRUMENT USAGE 432
434



ENGR	M. H. Mutter	4-4-75	PROCESS	STD 1/4-cm w/Schottky
DWN BY	J. Langley	3-4-75	PACKAGE	20 PIN DIP
CHK BY	Joe McGehee	6-20-75	DIE SIZE	45 mil X 45 mil
TYPE	MONOLITHIC	Z AXIS & HV REGULATOR	M068	
INTEGRATED CIRCUIT ENG/MFG				
TEKTRONIX INC.				
BEAVERTON, OREGON, U.S.A.			PART NO.	155-0051-00