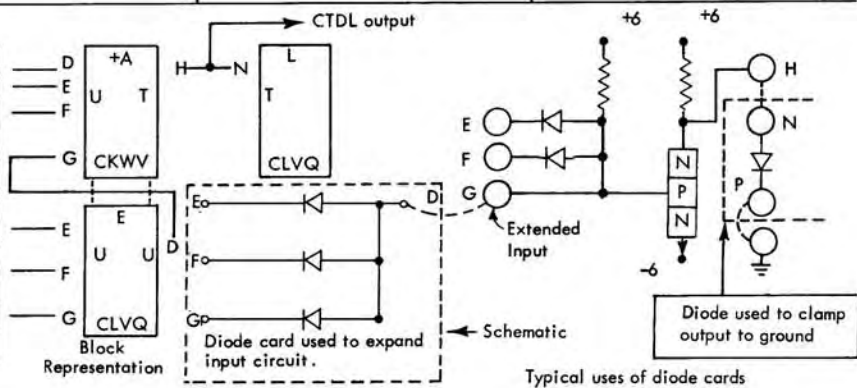


Card Code	Ckt.	Possible Block Configurations											
		1	2	3	4	5	6	7	8	9	10	11	12
CLVQ	1	x					x						x
	2		x			x							x
	3			x	x					x	x		
CLVR	1	x					x					x	
	2,3,4			x	x					x	x		
	1								x				
CLVS	2,3			x	x					x	x		
	1											x	
	2,3,4			x	x							x	x
CLVT	1											x	
	2,3,4			x	x							x	x



CTDL Extender and Limiter Diode Cards

This group of SMS cards contains various diode configurations used to expand the number of inputs to CTDL logic blocks, perform diode logic (AND-OR functions), or to limit voltage levels.

The various diode configurations are used to expand the inputs to both P and N type blocks by reversing the connections to the terminal pins.

Possible logic block representations for these diode cards are shown at the top of the page. The blocks denote the logical function performed and the associated line types. The chart at the bottom of the schematic shows the possible logic block configurations for each circuit on a particular card. For example, circuit 1 of the CLVQ card could be represented by logic blocks 1, 6, or 11.

Typical applications of the diode cards are noted above.

A three-legged diode network is shown expanding the +AND input circuit to a P type logic block. Coincidence of plus levels must occur at all inputs to the +AND and the extender card for the transistor to turn on. A single diode is also shown limiting the off output of the CTDL transistor to ground which permits direct drive into voltage mode circuitry.

Application

These diode cards are normally tied to extender inputs of CTDL logic blocks and allow additional inputs to control the logic transistor. The logical functions performed by the various configurations are dependent on their circuit use.