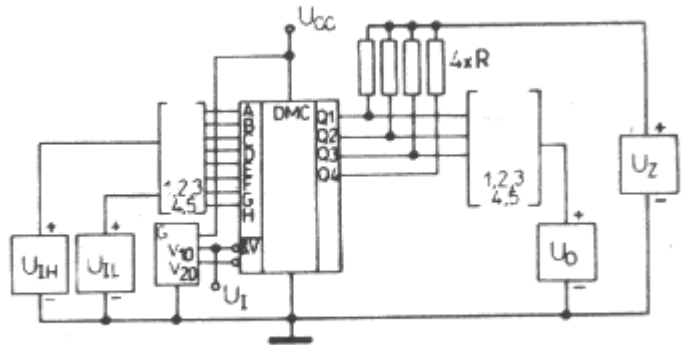
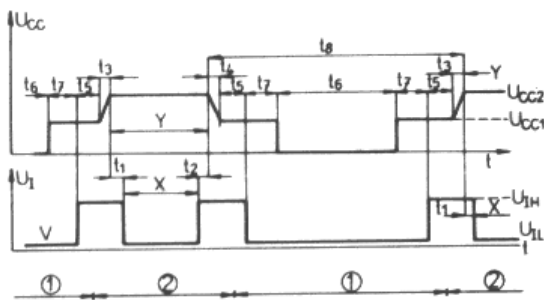


## TESLA MH74S571 PROGRAMMING

PROCEDURE FOR PROGRAMMING (applies to electrical programming connections)



	min.	typ.	max.	
$U_{CC1}$	4,75	5,0	5,75	V
$U_{CC2}$	10	10,5	11	V
$U_{IH}$	2,4		5,0	V
$U_{IL}$	0		0,5	V
$U_Z$		5		V
$R$		3,9		k $\Omega$
$U_0$			0,3	V
$j_{en}$ MH74188	-0,8	0	+0,3	V
$X$		1	20	ms
$t_8$	3Y	4Y		ms
$t_1, t_2$	10		1000	$\mu$ s
$t_3, t_4$		100		$\mu$ s
$t_5$	10			$\mu$ s
$t_6$		3Y		ms
$t_7$ 1)				
$\theta_a$	0		55	$^{\circ}$ C
$I_0$ 2)	$j_{en}$ MH74S571		150	mA
$I_{CC}$ 3)	$j_{en}$ MH74S571		750	mA

1. First, choose the word (by bringing the relevant combo voltage  $U_{iL}$  and  $U_{iH}$  to the ADDRESS A0..A8 inputs whose bits can be programmed.) The word address is selected when the  $U_0$  voltage is disconnected (see definition of generator waveforms ) The specific voltage values  $U_{iH}$  and  $U_{iL}$  for address selection are given by the recommended operating conditions during the process

2. Then the output belonging to the bit to be programmed is connected to the voltage  $U_0$ . The moment of this connection as well as the disconnection with respect to the time sequences no. The outputs of the cogenerator G are shown in the generators time curves. The remaining (unprogrammed) outputs are connected via a resistor R to the voltage  $U_Z$ . The recommended values  $U_Z$ ,  $U_0$  and R are listed in the recommended operating conditions for programming

3. Perform the programming of the selected bit by programming impulses of the program generator G.

4. In addition, a check of the accuracy of the programming is selected. to correct programming (programmed clutter override) is the output of the selected (and programmed) bit in the state of level H. This state is characterized by the parameter  $U_{oH}$ , which is shown in the characteristic data.

5. If programming has not been done correctly, the programming procedure is repeated again according to the previous points 3 through 4 again with the typical value of the programming pulse width X. If this is not the case at this time, repeat According to points 3 and 4, but with the maximum value of pulse width X.

6. At the same time, only one bit of the selected word can be programmed.