

# HEPTODE FREQUENCY CHANGER

# DK91 (Cont.)

## LIMITING VALUES

$V_a$ max.	90	V
$V_{g2+g4}$ max.	67.5	V
$V_{g3}$ max.	0	V
$I_k$ max.	5.5	mA

## CHARACTERISTICS (Oscillator Section)

$V_{g1} = V_{g3}$	0	V
$V_{g2} = V_{g4} = V_a$	67.5	V
$g_m (g1-g2+g4+a)$	1.4	mA/V

## OPERATING CONDITIONS

$V_a$	45	67.5	90	90	V
$V_{g2+g4}$	45	67.5	45	67.5	V
$V_{g3}$	0	0	0	0	V
$R_{g1-f}$	100	100	100	100	k $\Omega$
$r_a$	600	500	800	600	k $\Omega$
$g_c$	235	280	250	300	$\mu$ A/V
$I_a$	0.7	1.4	0.8	1.6	mA
$I_{g2+g4}$	1.9	3.2	1.9	3.2	mA
$I_{g1}$	150	250	150	250	$\mu$ A
$I_k$	2.75	5.0	2.75	5.0	mA
$*V_{g3}$	-9.0	-14	-9.0	-14	V

\*For  $g_c = 5\mu$ A/V

**REPLACEMENT FOR:** X17, 1C1 (Ediswan Mazda), 1C1/1R5, 1R5—Direct.