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, [1, 2, 5].

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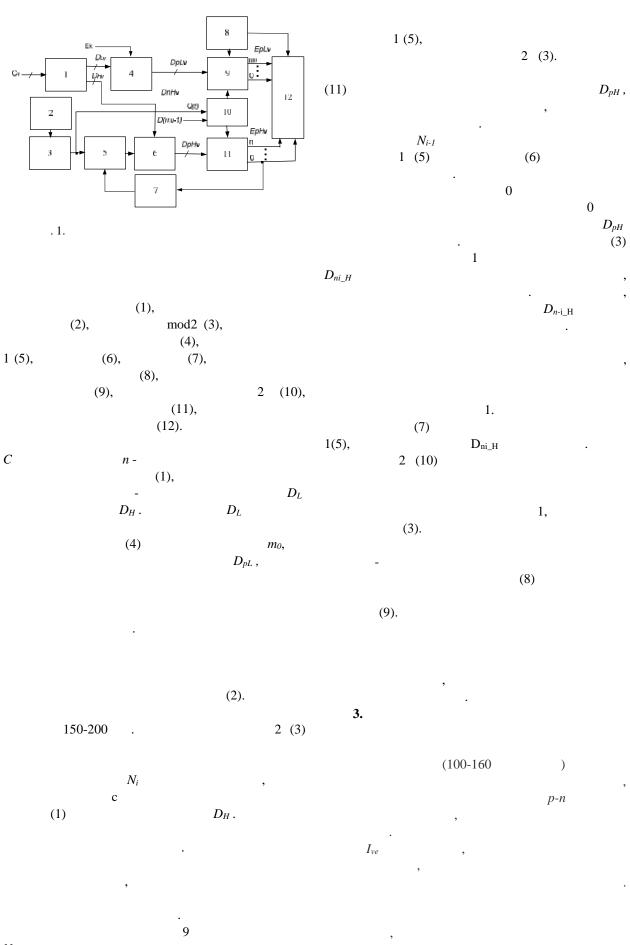
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U . 350-375 [5]. (660), 5-150 15-400 (570) (PWM-200 1000 1 10, I_{-} [6]. [3]. I = 20 , =272. $Q = t_p/T$. Q $Q_2 < Q_1 < Q_3$ [1, 2]. [4]. 10 , 10 30—40 $N_{i} = N_{i ed} + N_{i dec} + N_{i-1 dec} + N_{i-1}^{9}$ 40 8, N_{ied} -[5,6]. N_{idec} -HP 5082-7430 ; N_{i-1dec} -; N^{9}_{i-1} - $40 / ^{2}$. 10-100 / 2 Q = 10 2^n . Q = 20 [2] 100 $(2^7=128).$ 1.

100 . ,

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 N_{i-1}

, , 2014, 2(30) ISSN 2073-7394

; U0.75 -) U ,) AlGaAs, GaAsP, AlGaInP, GaP 1.63 U, 2.03 U:(InGaN) 1,9 (2) AlInGaP/GaAs (), . $I \qquad R, U \quad , U,$ (2) GaInN/GaN () $uI = uR + \left[\frac{\Delta U - \Delta U}{U - U - U^{0}}\right] \frac{R}{R + r}$ 2-3 ; U -[104]. ; R $r_{\ddot{a}}$ Ι (9) U = 0.5 , U = 0.5 , $\delta\Box R=0.1$, U=5 , U=2 , $U^0=0.5$, R=1500 , r = 10 , $\delta \Box I = 0.8.$ *I* 0,95. I . (100 - 120) (20 - 80) [1, 2, 6]. (. 2,), $R_o = \frac{U_{\dot{e}\bar{\imath}} - U_{\dot{a}\hat{a}\bar{\sigma}}^0 - U_{\bar{\imath}\bar{\sigma}}}{I_{\bar{\imath}\bar{\sigma}} * 0.75}$. 2, . (1) $U^{\ 0}$ $I = I \quad (1-S)(\frac{R}{r})(\frac{R-R_o-r}{R}),$ (4) , ', 2014, 2(30) ISSN 2073-7394

R , r -

 $m R >> {\it r_a \over \it r_a}, \quad {\it r_a \over \it e} << R$

 $I = I \quad (1-s)(\frac{R-R_o}{R})$ U >> U, U >> U (5)

p-n

 $r_{\ddot{a}}$, I = U / R.

$$I = (U - U) / R.$$

$$R$$

I = K * I / , $K = I / I_{-} ; I_{-} -$

−3,0...−5,2 /K.

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2,

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 $egin{array}{c} r_{\ddot{a}} \ , \ & r_{\ddot{a}} \ , \ U \ , \end{array}$

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 $K_U = D U_U / U, (6)$

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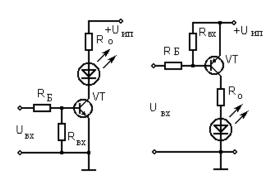
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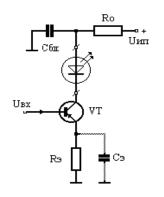
U, RR,

 $r_{\ddot{a}}$

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 R_{o} R [7]. 1. . - 2005. -30-33. 2. ",2006.-624 . 3. . -2014. 1. - .48-57. 4. . -2010. - . 4, 1. - . 53 - 60. 5. , 2003. -207 , 2008.-496 7. ,2006.- 272 . 8. 1998 . - 640 .: 12.03.2014

DEVICE FOR FORMING TWO-DIMENSIONAL INFORMATIVE MODEL DISCRETELY-ANALOG FORM PRESENTATION DATA ON LIGHT-EMITTING-DIODE SCALE

V.P. Yartsev

Offered and the chart of the two-stroke multiplexed forming imaginary two-dimensional informative model discretely-analog form presentation data is analytically reasonable on the informative field light-emitting-diode scale with the large number radiative elements. The existent methods stabilizing current excitation light-emitting diodes and estimation dependence brightness luminescence from variation parameters radiative elements light-emitting-diode scale are analysed.

Keywords: informative model, discretely-analog device, light-emitting-diode scale, radiative elementslighting technology descriptions, thermostable semiconducting transition.