



- (- 1)
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18604.27-86

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Power high-voltage bipolar transistors
Collector-base (emitter-base) breakdown voltage
measurement at emitter (collector) cut-off current
62 2300

18604 .27-86

1986 . 1124

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U

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18604.0—83.

3994—83.

1.

1.1.

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©

, 1986

1 2.

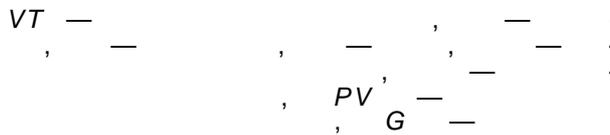
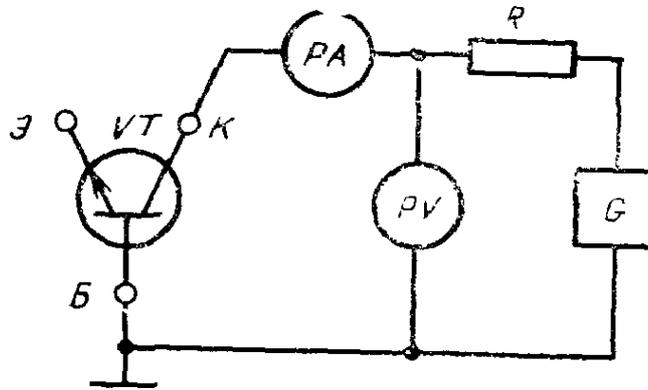
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2.

2.1.

U

U



2.2.

R_{pa}

:

U_x

R_{pa}

50 F

U

50 /

(2)

$U_{PV} = U_{pa} \frac{R_{pa}}{R_{pa} + R}$

(3)

U_{PV} —
 U_{pa} —

$PV,$

2.3.

R_{py}

:

$R_{pv} \wedge > R.$

(4)

2.4.

R

2-5.

$\pm 2\%.$

2.6.

$\pm 5 \%$

$4=5 \%$

± 2
2.7.

$\pm 2\%.$

3.

3.1.

«

3.2-

G

50 /

()

3.3.
)

(

4.

4.1.

0,95

$$\delta = 1,96 \sqrt{\left(\frac{\delta V}{1,73}\right)^2 + \left(\frac{a \cdot \delta I}{1,73}\right)^2}, \quad (5)$$

6 —
6/—
—

— ».

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1.

1 1

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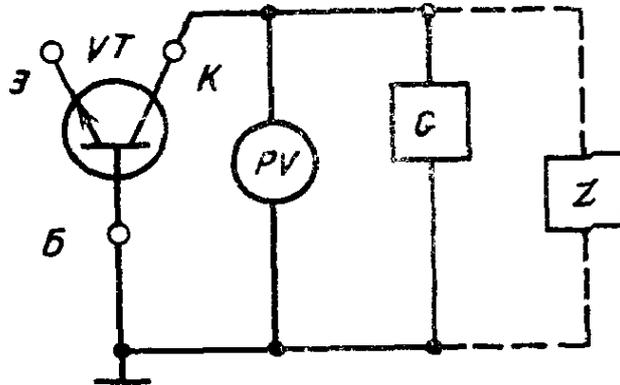
: 1.1

2.

2 1.

^

&



VT — ; — ; — ; PV —
 ; G — ; Z —

2 2

R_{PV}

PV

$R_{PV} \wedge SO$

^

)

$I/? > 50$

6

(2)

^

2.3.

G

±10%
2 4 G

()

2 5

±2%

Z,

2 6

2 7

±2%

±5%

2 8

±5%

±10%

±10%

±2

3.

3 1

3 2

3 3

(-)

(,)

*

4.

4 1

6,

0,95

$$\delta = 1,96 \sqrt{\left(\frac{\delta V}{1,73}\right)^2 + \left(\frac{\delta Z}{1,73}\right)^2} \quad (3)$$

6V—
6Z—

P. .

. . .

. . .

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[up 12

20 05 86 , 18 07 80 0*5 0,5 . .- 0,3 7 - 3 .

(> « »
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