



RADIATION TEST SUMMARY

PART TYPE : 2N6760

DESCRIPTION : N-CHANNEL MOSFET

REPORT NO. : RD 180

PARAMETERS PLOTTED :

V_{gs(th)}
R_{DS(on)}

NOTE :

The results for I_{gss} and I_{dss} showed no significant change and hence plots were not considered necessary.

SZ-TESTSYSTEME Statistics 03 Vers. 2.15 for TA07F
RD180_2N6760_INIT_EMS_@_IG6 / 1.0 PR 14/3/96

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Results file : RD180_2N6760_INIT_EMS_@_IG6 from: 18.03.96 / 11:22:01
Operator : PAUL RUSSELL
Part number : 2N6760
Lot number : RD180
Order number : D/C 9329A
Vendor : IR
: CONTROL S/No 03 ; RAD SAMPLE S/NoS 05,09,25,32.
: INITIAL EMS @ IG6
: 2N6760 PO-PL-IG6-PL-0023 RAD / 1.0 PR 14/3/96
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Test steps

1. V(BR)DSS 400.0 ... 700.0 V
2. VGS 2000.0 ... 4000.0 mV
3. IGSS (REV) (0.0)... 100.0 nA
4. IDSS (0)... 1000 uA
5. RDS on (0.001)... 1.000 Ohm

	3	5	9	25	32
1.1 [V]	452.5	450.2	452.1	448.4	450.2
2.1 [mV]	3599.7	3759.1	3739.9	3738.7	3706.4
3.1 [nA]	0.9	0.9	0.9	0.9	0.9
4.1 [uA]	0	0	0	0	0
5.1 [Ohm]	0.899	0.890	0.898	0.885	0.896

SZ-TESTSYSTEME Statistics 03 Vers. 2.15 for TA07F
 RD180_2N6760_INIT_EMS@_ERA / 1.0 PR 14/3/96

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Results file   : RD180_2N6760_INIT_EMS@_ERA   from: 19.03.96 / 16:34:50
Operator      : PAUL RUSSELL
Part number   : 2N6760
Lot number    : RD180
Order number  : D/C 9329A
Vendor       : IR
              : CONTROL S/No 03 ; RAD SAMPLE S/NoS 05,09,25,32.
              : INITIAL EMS @ ERA
              : 2N6760 PQ-PL-IGG-PL-0023 RAD / 1.0 14/3/96
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Test steps

1.	V(BR)DSS	400.0	...	700.0	V
2.	VGS	2000.0	...	4000.0	mV
3.	IGSS (REV)	(0.0)	...	100.0	nA
4.	IDSS	(0)	...	1000	uA
5.	RDS on	(0.001)	...	1.000	Ohm

	3	5	9	25	32
1.1 [V]	453.7	451.6	453.0	449.7	451.3
2.1 [mV]	3587.5	3740.2	3731.8	3723.4	3693.1
3.1 [nA]	1.3	1.3	1.3	1.3	1.3
4.1 [uA]	0	0	0	0	0
5.1 [Ohm]	0.918	0.911	0.910	0.902	0.911

SZ-TESTSYSTEME Statistics 03 Vers. 2.15 for TA07F
 RD180_2N6760_EMS_@_5_KRAD / 1.0 PR 14/3/96

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Results file : RD180_2N6760_EMS_@_5_KRAD from: 19.03.96 / 16:51:43
 Operator : PAUL RUSSELL
 Part number : 2N6760
 Lot number : RD180
 Order number : D/C 9329A
 Vendor : IR
 : CONTROL S/No 03 ; RAD SAMPLE S/NoS 05,09,25,32.
 : EMS @ 5 KRAD
 : 2N6760 PO-PL-IG6-PL-0023 RAD / 1.0 PR 14/3/96

Test steps

1.	V(BR)DSS	400.0	...	700.0	V
2.	VGS	2000.0	...	4000.0	mV
3.	IGSS (REV)	(0.0)	...	100.0	nA
4.	IDSS	(0)	...	1000	uA
5.	RDS on	(0.001)	...	1.000	Ohm

	3	5	9	25	32
1.1 [V]	458.4	464.3	465.7	464.4	473.6
2.1 [mV]	3531.9	3053.1	2980.3	2901.1	2827.6
3.1 [nA]	1.3	1.4	1.4	1.4	1.5
4.1 [uA]	0	0	0	0	0
5.1 [Ohm]	0.990	1.110F	1.120F	1.136F	1.284F

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SZ-TESTSYSTEME Statistics 03 Vers. 2.15 for TA07F
RD180_2N6760_EMS_@_10_KRAD / 1.0 PR 14/3/96

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Results file : RD180_2N6760_EMS_@_10_KRAD from: 19.03.96 / 17:36:10
Operator : PAUL RUSSELL
Part number : 2N6760
Lot number : RD180
Order number : D/C 9329A
Vendor : IR
: CONTROL S/No 03 ; RAD SAMPLE S/NoS 05,09,25,32.
: EMS @ 10 KRAD
: 2N6760 PO-PL-IG6-PL-0023 RAD / 1.0 PR 14/3/96
=====

Test steps

1.	V(BR)DSS	400.0	...	700.0	V
2.	VGS	2000.0	...	4000.0	mV
3.	IGSS (REV)	(0.0)	...	100.0	nA
4.	IDSS	(0)	...	1000	uA
5.	RDS on	(0.001)	...	1.000	Ohm

	3	5	9	25	32
1.1 [V]	458.1	467.3	4.3 F	467.0	475.7
2.1 [mV]	3533.3	2548.0	2408.0	2314.3	2321.6
3.1 [nA]	1.3	1.4	0.6	1.4	1.5
4.1 [uA]	0	0	1	1	1
5.1 [Ohm]	0.983	1.167F	1.171F	1.181F	1.323F

SZ-TESTSYSTEME Statistics 03 Vers. 2.15 for TA07F
 RD180_2N6760_EMS_@_15_KRAD / 1.0 PR 14/3/96

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Results file   : RD180_2N6760_EMS_@_15_KRAD   from: 19.03.96 / 18:15:08
Operator      : PAUL RUSSELL
Part number   : 2N6760
Lot number    : RD180
Order number  : D/C 9329A
Vendor       : IR
              : CONTROL S/No 03 ; RAD SAMPLE S/NoS 05,09,25,32.
              : EMS @ 15 KRAD
              : 2N6760 PO-PL-IG6-PL-0023 RAD / 1.0 PR 14/3/96
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Test steps

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1. V(BR)DSS           400.0   ...   700.0   V
2. VGS               2000.0   ...  4000.0  mV
3. IGSS (REV)        (  0.0  )...   100.0  nA
4. IDSS              (    0  )...   1000   uA
5. RDS on            ( 0.001 )...    1.000 Ohm
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	3	5	9	25	32
1.1 [V]	457.9	465.8	466.7	466.7	475.7
2.1 [mV]	3536.8	2140.3	1914.9	1802.4	1901.1
3.1 [nA]	1.4	1.4	1.4	1.4	1.6
4.1 [uA]	0	1	2	4	3
5.1 [Ohm]	0.980	1.142F	1.162F	1.181F	1.326F

SZ-TESTSYSTEME Statistics 03 Vers. 2.15 for TA07F
 RD180_2N6760_EMS_@_20_KRAD / 1.0 PR 14/3/96

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Results file : RD180_2N6760_EMS_@_20_KRAD from: 19.03.96 / 18:59:52
 Operator : PAUL RUSSELL
 Part number : 2N6760
 Lot number : RD180
 Order number : D/C 9329A
 Vendor : IR
 : CONTROL S/No 03 ; RAD SAMPLE S/NoS 05,09,25,32..
 : EMS @ 20 KRAD
 : 2N6760 PO-PL-IG6-PL-0023 RAD / 1.0 PR 14/3/96

Test steps

1.	V(BR)DSS	400.0	...	700.0	V
2.	VGS	2000.0	...	4000.0	mV
3.	IGSS (REV)	(0.0)	...	100.0	nA
4.	IDSS	(0)	...	1000	uA
5.	RDS on	(0.001)	...	1.000	Ohm

	3	5	9	25	32
1.1 [V]	458.2	467.1	466.6	466.4	474.6
2.1 [mV]	3530.5	1710.4 F	1478.3 F	1339.9 F	1545.2 F
3.1 [nA]	1.4	1.4	1.5	1.5	1.5
4.1 [uA]	0	3	5	18	5
5.1 [Ohm]	0.987	1.167F	1.167F	1.180F	1.312F

SZ-TESTSYSTEME Statistics 03 Vers. 2.15 for TA07F
RD180_2N6760_EMS_@_30_KRAD / 1.0 PR 14/3/96

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Results file : RD180_2N6760_EMS_@_30_KRAD from: 19.03.96 / 20:57:25
Operator : PAUL RUSSELL
Part number : 2N6760
Lot number : RD180
Order number : O/C 9329A
Vendor : IR
: CONTROL S/No 03 ; RAD SAMPLE S/NoS 05,09,25,32.
: EMS @ 30 KRAD
: 2N6760 PO-PL-IG6-PL-0023 RAD / 1.0 PR 14/3/96
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Test steps

1.	U(BR)DSS	400.0	...	700.0	V
2.	UGS	2000.0	...	4000.0	mV
3.	IGSS (REV)	(0.0)	...	100.0	nA
4.	IDSS	(0)	...	1000	uA
5.	RDS on	(0.001)	...	1.000	Ohm

	3	5	9	25	32
1.1 [V]	458.1	468.2	467.2	467.8	472.2
2.1 [mV]	3533.1	1036.6 F	753.7 F	538.6 F	1048.8 F
3.1 [nA]	1.1	1.2	1.2	1.3	1.3
4.1 [uA]	0	16	55	250	21
5.1 [Ohm]	0.983	1.194F	1.195F	1.217F	1.268F

SZ-TESTSYSTEME Statistics 03 Vers. 2.15 for TA07F
RD180_2N6760_END_POINT_EMS / 1.0 PR 14/3/96

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Results file : RD180_2N6760_END_POINT_EMS from: 20.03.96 / 00:20:15
Operator : PAUL RUSSELL
Part number : 2N6760
Lot number : RD180
Order number : D/C 9329A
Vendor : IR
: CONTROL S/No 03 ; RAD SAMPLE S/NoS 05,09,25,32.
: END POINT EMS
: 2N6760 PO-PL-IGG-PL-0023 RAD / 1.0 PR 14/3/96
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Test steps

1.	V(BR)DSS	400.0	...	700.0	V
2.	VGS	2000.0	...	4000.0	mV
3.	IGSS (REV)	(0.0)	...	100.0	nA
4.	IDSS	(0)	...	1000	uA
5.	RDS on	(0.001)	...	1.000	Ohm

	3	5	9	25	32
1.1 [V]	453.0	449.1	449.3	447.3	449.2
2.1 [mV]	3597.9	1235.8 F	957.7 F	789.8 F	1408.1 F
3.1 [nA]	1.2	1.3	1.2	1.3	1.2
4.1 [uA]	0	3	10	100	2
5.1 [Ohm]	0.903	0.889	0.899	0.885	0.896

SZ-TESTSYSTEME Statistics 03 Vers. 2.15 for TA07F
 RD180_2N6760_ANNEAL_EMS / 1.0 PR 14/3/96

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Results file   : RD180_2N6760_ANNEAL_EMS   from: 28.03.96 / 09:18:35
Operator      : PAUL RUSSELL
Part number   : 2N6760
Lot number    : RD180
Order number  : D/C 9329A
Vendor       : IR
              : CONTROL S/No 03 ; RAD SAMPLE S/NoS 05,09,25,32.
              : POST ANNEAL EMS
              : 2N6760 PO-PL-IG6-PL-0023 RAD / 1.0 PR 14/3/96
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 Test steps

1.	V(BR)DSS	400.0	...	700.0	V
2.	VGS	2000.0	...	4000.0	mV
3.	IGSS (REV)	(0.0)	...	100.0	nA
4.	IDSS	(0)	...	1000	uA
5.	RDS on	(0.001)	...	1.000	Ohm
