

Symbol $(T_J = 25^{\circ}C,$	Test Conditions Unless Otherwise Specified)	Chara Min.	acteristic Typ.	Values Max.
g _{fs}	$V_{DS} = 50V, I_{D} = 200mA, Note 1$	100	150	mS
C _{iss}			120	pF
C _{oss}	$V_{GS} = -10V, V_{DS} = 25V, f = 1MHz$		25	pF
C _{rss}			5	pF
t _{d(on)}	Resistive Switching Times		9	ns
t _r	$V_{gs} = \pm 5V, V_{ps} = 100V, I_{p} = 50mA$		4	ns
t _{d(off)}			28	ns
<u>t</u> , J	$R_{\rm G} = 30\Omega$ (External)		45	ns
R _{thJC}				5.0 °C/W
R _{thCS}	TO-220		0.50	°C/W

Source-Drain Diode

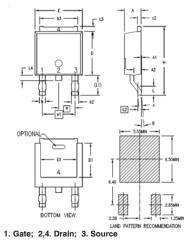
Symbol	Test Conditions	Chara	cteristic Values		
$(T_J = 25^{\circ}C)$, Unless Otherwise Specified)	Min.	Тур.	Max.	
V _{SD}	$I_F = 200 \text{mA}, V_{GS} = -10 \text{V}, \text{ Note 1}$		0.7	1.5	V
t _{rr}	$I_F = 750 \text{mA}, -\text{di/dt} = 100 \text{A/}\mu\text{s}$ $V_R = 25 \text{V}, V_{GS} = -10 \text{V}$			1.0	μs

Note 1. Pulse test, $t \le 300\mu s$, duty cycle, $d \le 2\%$.

 $\ensuremath{\mathsf{IXYS}}$ Reserves the Right to Change Limits, Test Conditions, $% \mathsf{IXYS}$ and $\mathsf{Dimensions}.$

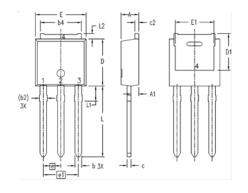


TO-252 AA (IXTY) Outline



MY2	INCHES		MILLIMETERS	
21M	MIN	MAX	MIN	MAX
Α	.086	.094	2.19	2.38
A1	0	.005	0	0.12
A2	.038	.046	0.97	1.17
b	.025	.035	0.64	0.89
b2 b3	.030	.045	0.76	1.14
b3	.200	.215	5.08	5.46
С	.018	.024	0.46	0.61
c2	.018	.023	0.46	0.58
D	.235	.245	5.97	6,22
D1	.180	.205	4.57	5,21
E	.250	.265	6.35	6.73
E1	.170	.205	4.32	5,21
е	.090 BSC		5'58 B2C	
e1	.180 BSC		4.57 BSC	
Н	.370	.410	9.40	10.42
L	.055	.070	1.40	1.78
L1	.100	.115	2.54	2.92
L2	.020 BSC		0.50 BSC	
L3	.025	.040	0.64	1.02
L4	.025	.040	0.64	1.02
θ	0°	10°	0°	10°

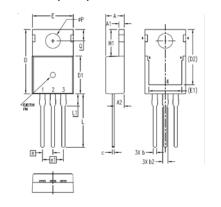
TO-251 AA (IXTU) Outline



1. Gate; 2,4. Drain; 3. Source

SYM	INCHES		MILLIMETERS		
SIM	MIN	MAX	MIN	MAX	
Α	.087	.094	2.20	2.40	
A1	.032	.048	0.82	1.22	
b	.026	.034	0.66	0.86	
(b2)	.030	.038	0.76	0.96	
b4	.198	.222	5.04	5.64	
С	.018	.024	0.45	0.60	
c2	.016	.024	0.40	0.60	
D	.232	.248	5.90	6.30	
(D1)	.179	.195	4.55	4.95	
Ε	.252	.268	6.40	6.80	
(E1)	.191	.207	4.85	5,25	
е	.090 BSC		2.28 BSC		
e1	.180 BSC		4.57 BSC		
L	.358	.374	9.10	9.50	
L1	.063	.079	1.60	2.00	
L2	.020	.035	0.50	0.90	

TO-220 (IXTP) Outline



1. Gate; 2,4. Drain; 3. Source

SYM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
Α	.169	.185	4.30	4.70
A1	.047	.055	1.20	1.40
A2	.079	.106	2.00	2.70
Ь	.024	.039	0.60	1.00
b2	.045	.057	1.15	1.45
С	.014	.026	0.35	0.65
D	.587	.626	14.90	15.90
D1	.335	.370	8.50	9.40
(D2)	.500	.531	12.70	13.50
Ε	.382	.406	9.70	10.30
(E1)	.283	.323	7.20	8.20
е	.100 BSC		2.54 BSC	
e1	.200 BSC		5.08 BSC	
H1	.244	.268	6.20	6.80
L	.492	.547	12.50	13.90
L1	.110	.154	2.80	3.90
ØΡ	.134	.150	3.40	3.80
Q	.106	.126	2.70	3.20



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