

PDP SWITCH

IRFS4227PbF

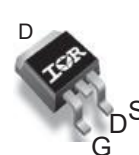
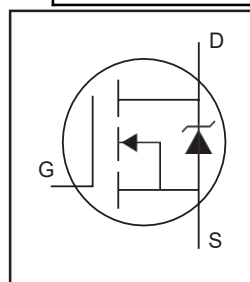
IRFSL4227PbF

Features

- Advanced Process Technology
- Key Parameters Optimized for PDP Sustain, Energy Recovery and Pass Switch Applications
- Low E_{PULSE} Rating to Reduce Power Dissipation in PDP Sustain, Energy Recovery and Pass Switch Applications
- Low Q_G for Fast Response
- High Repetitive Peak Current Capability for Reliable Operation
- Short Fall & Rise Times for Fast Switching
- 175°C Operating Junction Temperature for Improved Ruggedness
- Repetitive Avalanche Capability for Robustness and Reliability

Key Parameters

$V_{DS\ max}$	200	V
$V_{DS\ (Avalanche)\ typ.}$	240	V
$R_{DS(ON)\ typ.\ @\ 10V}$	22	m
$I_{RP\ max\ @\ T_C = 100^\circ C}$	130	A
$T_J\ max$	175	°C



D²Pak
IRFS4227PbF



TO-262
IRFSL4227PbF

G	D	S
Gate	Drain	Source

Description

This HEXFET® Power MOSFET is specifically designed for Sustain, Energy Recovery & Pass switch applications in Plasma Display Panels. This MOSFET utilizes the latest processing techniques to achieve low on-resistance per silicon area and low E_{PULSE} rating. Additional features of this MOSFET are 175°C operating junction temperature and high repetitive peak current capability. These features combine to make this MOSFET a highly efficient, robust and reliable device for PDP driving applications

Absolute Maximum Ratings

	Parameter	Max.	Units
V_{GS}	Gate-to-Source Voltage	±30	V
$I_D\ @\ T_C = 25^\circ C$	Continuous Drain Current, $V_{GS}\ @\ 10V$	62	A
$I_D\ @\ T_C = 100^\circ C$	Continuous Drain Current, $V_{GS}\ @\ 10V$	44	
I_{DM}	Pulsed Drain Current	260	
$I_{RP}\ @\ T_C = 100^\circ C$	Repetitive Peak Current	130	
$P_D\ @\ T_C = 25^\circ C$	Power Dissipation	330	W
$P_D\ @\ T_C = 100^\circ C$	Power Dissipation	190	
	Linear Derating Factor	2.2	W/°C
T_J T_{STG}	Operating Junction and Storage Temperature Range	-40 to + 175	°C
	Soldering Temperature for 10 seconds	300	
	Mounting Torque, 6-32 or M3 Screw	10lbf in (1.1N m)	N

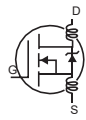
Thermal Resistance

	Parameter	Typ.	Max.	Units
$R_{\theta JC}$	Junction-to-Case	—	0.45*	
$R_{\theta JA}$	Junction-to-Ambient (PCB Mounted) D ² Pak	—	40	

* $R_{\theta JC}$ (end of life) for D²Pak and TO-262 = 0.65°C/W. This is the maximum measured value after 1000 temperature cycles from -55 to 150°C and is accounted for by the physical wearout of the die attach medium.

Electrical Characteristics @ $T_J = 25^\circ\text{C}$ (unless otherwise specified)

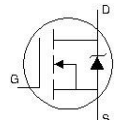
	Parameter	Min.	Typ.	Max.	Units	Conditions
BV_{DSS}	Drain-to-Source Breakdown Voltage	200	—	—	V	$V_{GS} = 0V, I_D = 250\mu A$
$\Delta BV_{DSS}/\Delta T_J$	Breakdown Voltage Temp. Coefficient	—	170	—	mV/ $^\circ\text{C}$	Reference to 25°C , $I_D = 1\text{mA}$
$R_{DS(on)}$	Static Drain-to-Source On-Resistance	—	22	26	m Ω	$V_{GS} = 10V, I_D = 46A$
$V_{GS(th)}$	Gate Threshold Voltage	3.0	—	5.0	V	$V_{DS} = V_{GS}, I_D = 250\mu A$
$\Delta V_{GS(th)}/\Delta T_J$	Gate Threshold Voltage Coefficient	—	-13	—	mV/ $^\circ\text{C}$	
I_{DSS}	Drain-to-Source Leakage Current	—	—	20	μA	$V_{DS} = 200V, V_{GS} = 0V$
		—	—	200	μA	$V_{DS} = 200V, V_{GS} = 0V, T_J = 125^\circ\text{C}$
I_{GSS}	Gate-to-Source Forward Leakage	—	—	100	nA	$V_{GS} = 20V$
	Gate-to-Source Reverse Leakage	—	—	-100	nA	$V_{GS} = -20V$
g_{fs}	Forward Transconductance	49	—	—	S	$V_{DS} = 25V, I_D = 46A$
Q_g	Total Gate Charge	—	70	98	nC	$V_{DD} = 100V, I_D = 46A, V_{GS} = 10V$
Q_{gd}	Gate-to-Drain Charge	—	23	—	nC	
$t_{d(on)}$	Turn-On Delay Time	—	33	—	ns	$V_{DD} = 100V, V_{GS} = 10V$ $I_D = 46A$ $R_G = 2.5\Omega$ See Fig. 22
t_r	Rise Time	—	20	—		
$t_{d(off)}$	Turn-Off Delay Time	—	21	—		
t_f	Fall Time	—	31	—		
t_{st}	Shoot Through Blocking Time	100	—	—	ns	$V_{DD} = 160V, V_{GS} = 15V, R_G = 4.7\Omega$
E_{PULSE}	Energy per Pulse	—	570	—	μJ	$L = 220\text{nH}, C = 0.4\mu F, V_{GS} = 15V$ $V_{DS} = 160V, R_G = 4.7\Omega, T_J = 25^\circ\text{C}$
		—	910	—		$L = 220\text{nH}, C = 0.4\mu F, V_{GS} = 15V$ $V_{DS} = 160V, R_G = 4.7\Omega, T_J = 100^\circ\text{C}$
C_{iss}	Input Capacitance	—	4600	—	pF	$V_{GS} = 0V$
C_{oss}	Output Capacitance	—	460	—		$V_{DS} = 25V$
C_{rss}	Reverse Transfer Capacitance	—	91	—		$f = 1.0\text{MHz}$,
$C_{oss\text{ eff.}}$	Effective Output Capacitance	—	360	—		$V_{GS} = 0V, V_{DS} = 0V \text{ to } 160V$
L_D	Internal Drain Inductance	—	4.5	—	nH	Between lead, 6mm (0.25in.) from package and center of die contact
L_S	Internal Source Inductance	—	7.5	—		

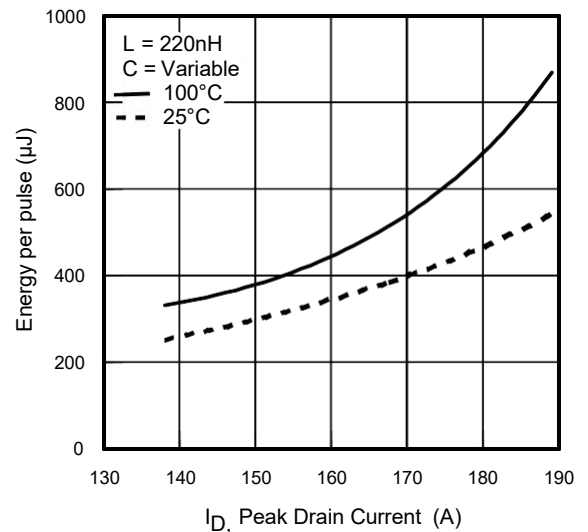
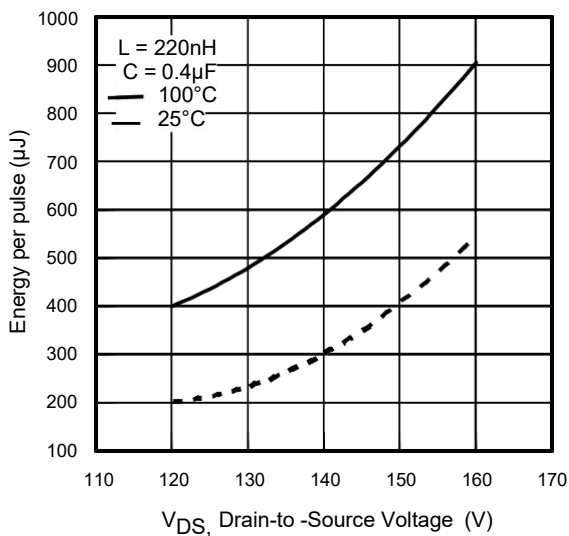
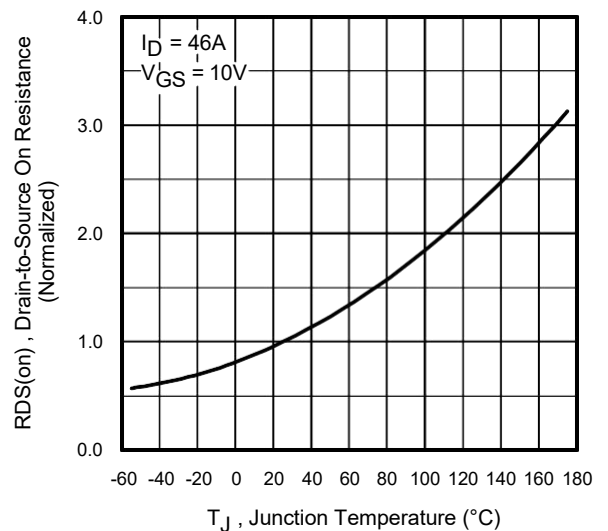
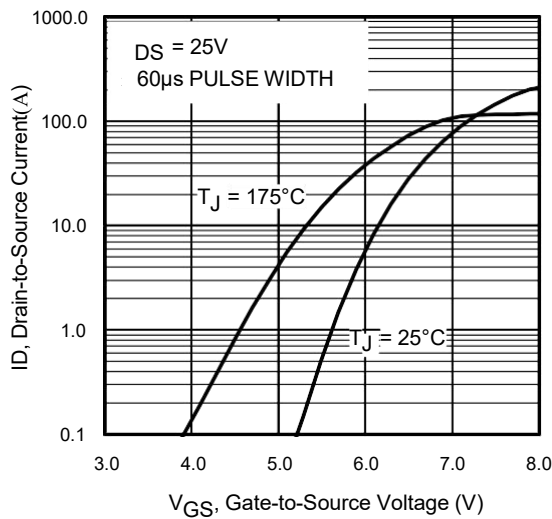
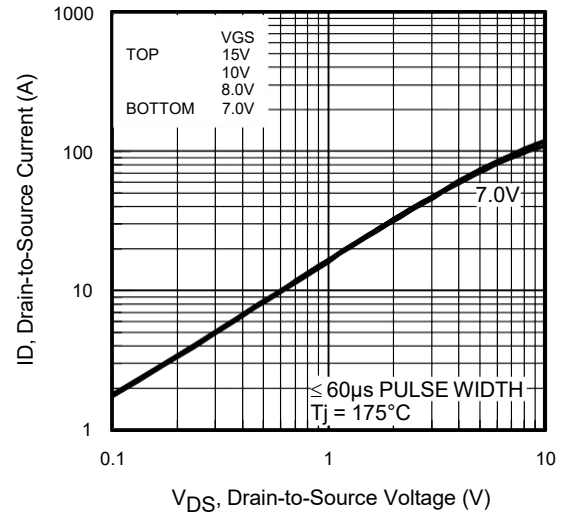
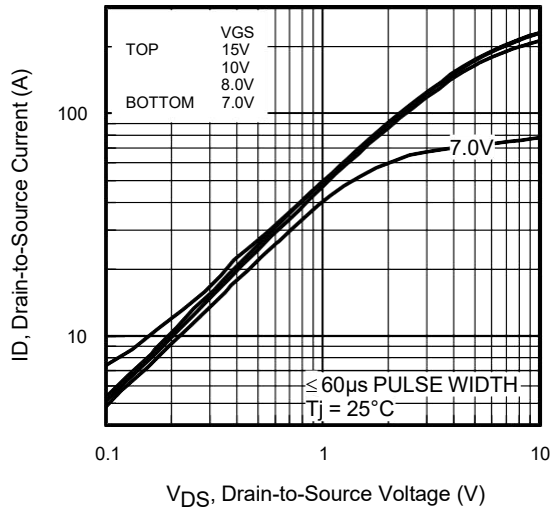
**Avalanche Characteristics**

	Parameter	Typ.	Max.	Units
E_{AS}	Single Pulse Avalanche Energy	—	140	mJ
E_{AR}	Repetitive Avalanche Energy	—	46	mJ
$V_{DS(Avalanche)}$	Repetitive Avalanche Voltage	240	—	V
I_{AS}	Avalanche Current	—	37	A

Diode Characteristics

	Parameter	Min.	Typ.	Max.	Units	Conditions
$I_S @ T_C = 25^\circ\text{C}$	Continuous Source Current (Body Diode)	—	—	62	A	MOSFET symbol showing the integral reverse p-n junction diode.
I_{SM}	Pulsed Source Current (Body Diode)	—	—	260		
V_{SD}	Diode Forward Voltage	—	—	1.3	V	$T_J = 25^\circ\text{C}, I_S = 46A, V_{GS} = 0V$
t_{rr}	Reverse Recovery Time	—	100	150	ns	$T_J = 25^\circ\text{C}, I_F = 46A, V_{DD} = 50V$
Q_{rr}	Reverse Recovery Charge	—	430	640	nC	$di/dt = 100A/\mu s$





IRFS/SL4227PbF

International
IR Rectifier

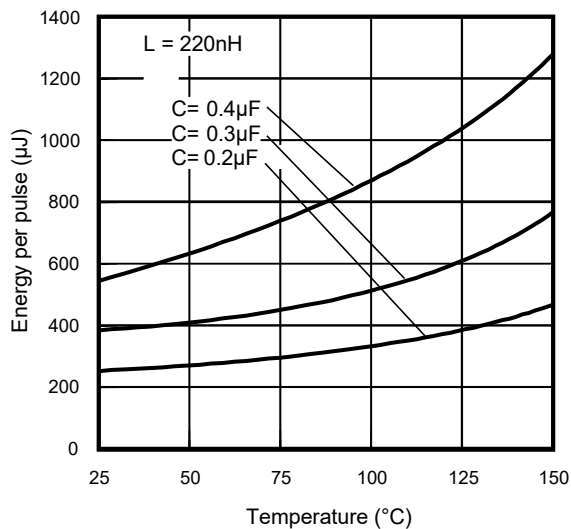


Fig 7. Typical E_{PULSE} vs. Temperature

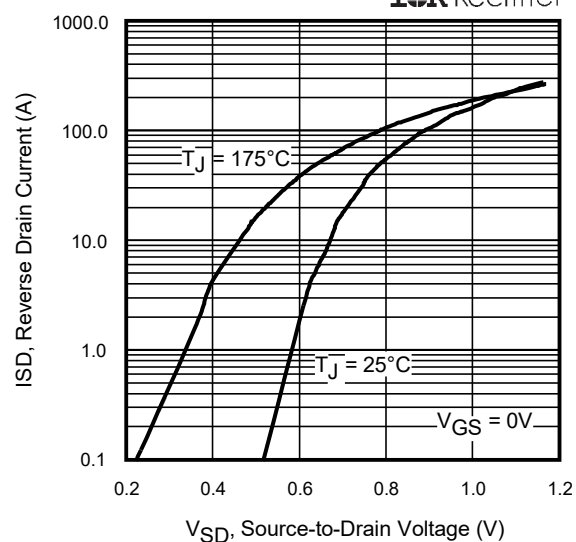


Fig 8. Typical Source-Drain Diode Forward Voltage

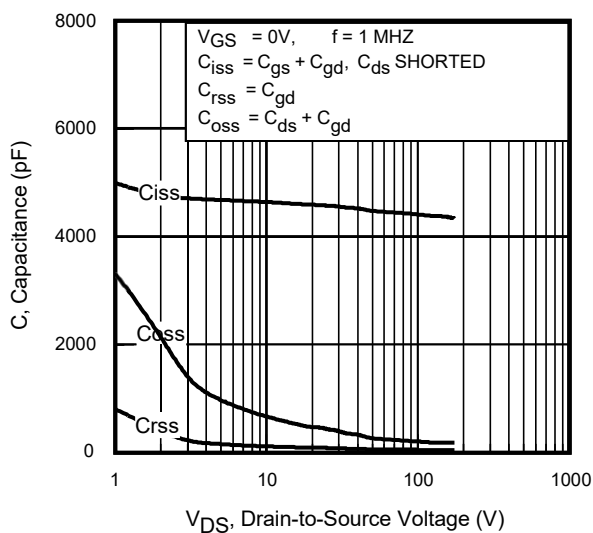


Fig 9. Typical Capacitance vs. Drain-to-Source Voltage

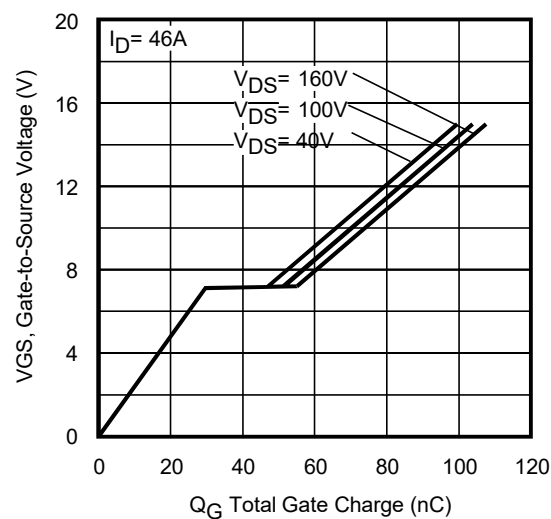


Fig 10. Typical Gate Charge vs. Gate-to-Source Voltage

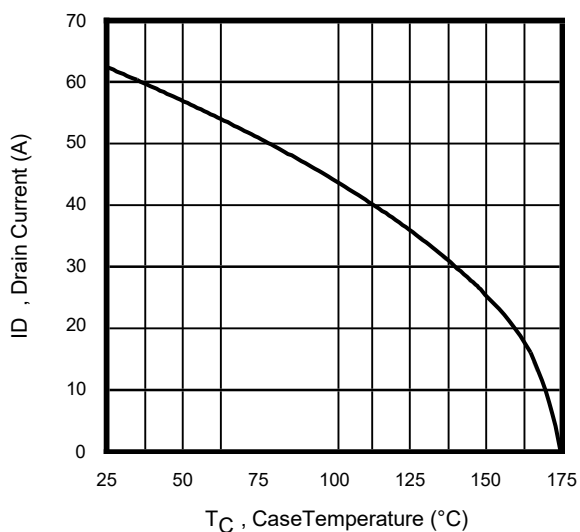


Fig 11. Maximum Drain Current vs. Case Temperature

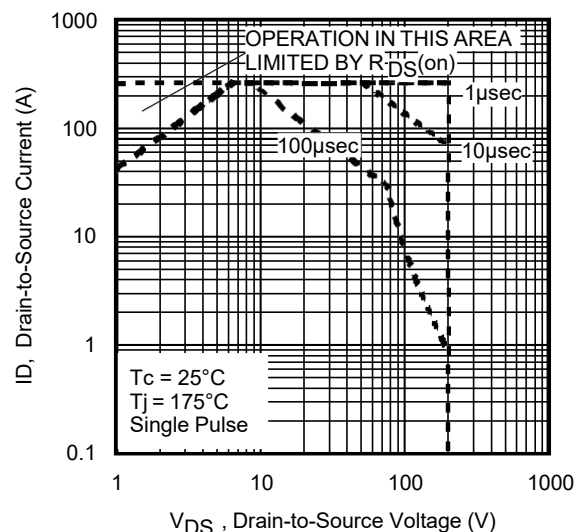
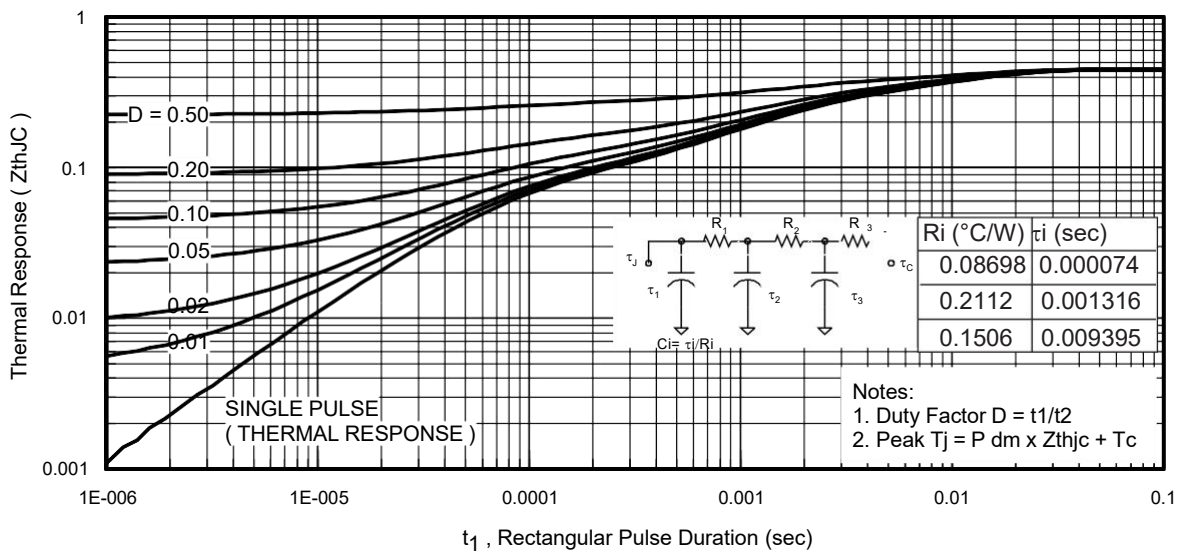
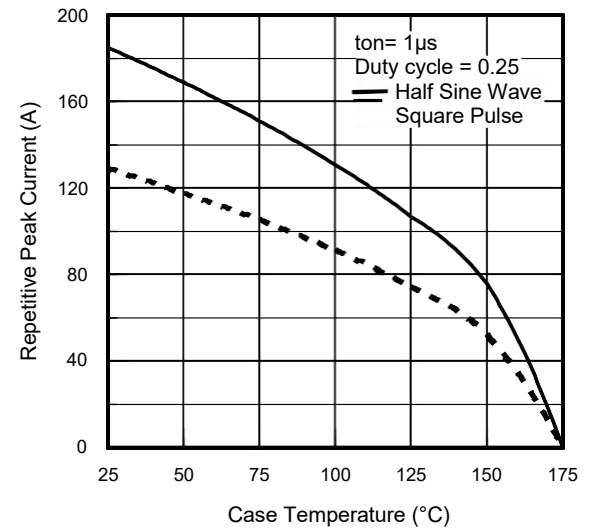
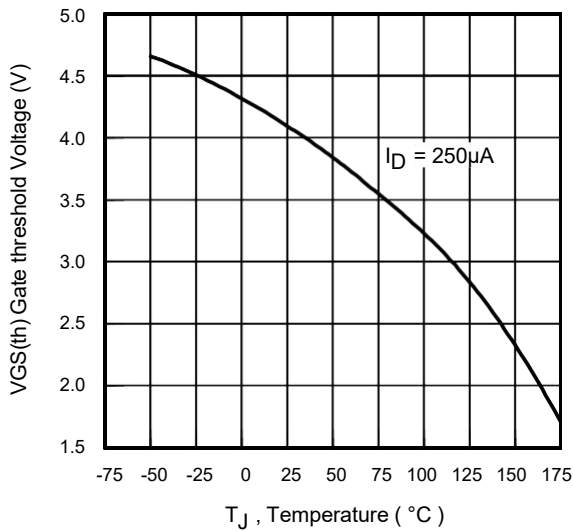
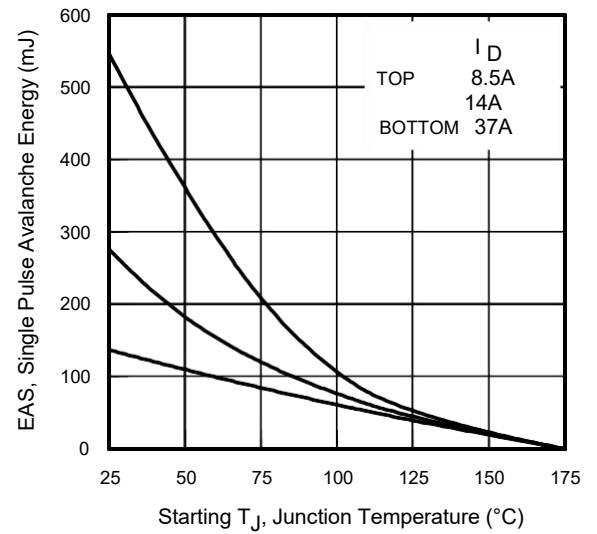
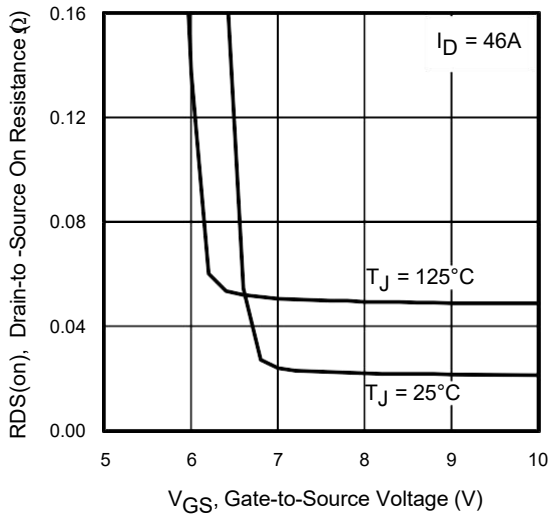


Fig 12. Maximum Safe Operating Area



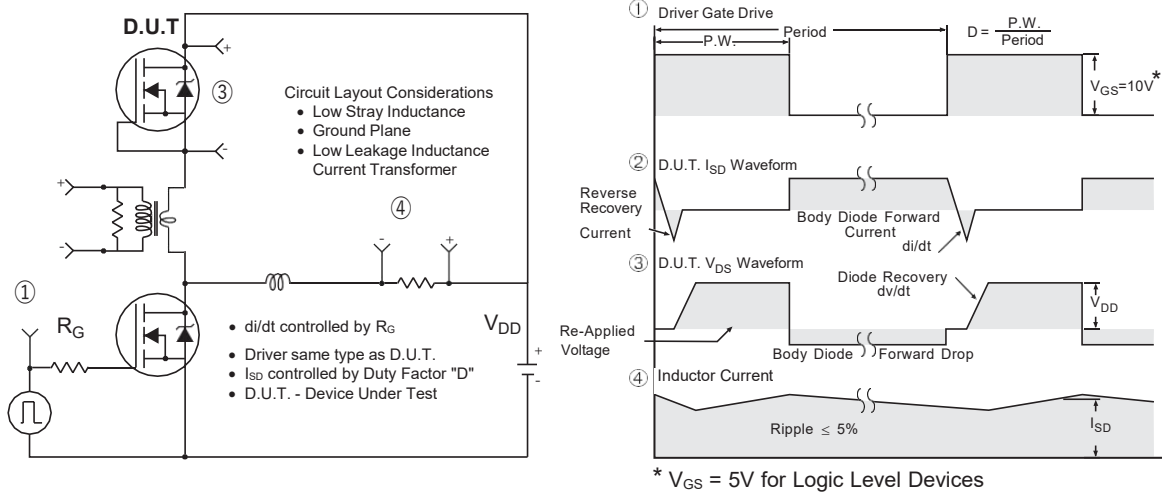


Fig 18. Diode Reverse Recovery Test Circuit for N-Channel HEXFET® Power MOSFETs

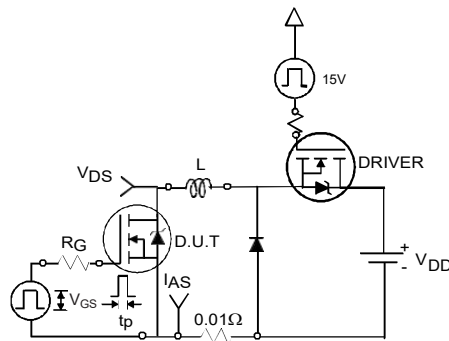


Fig 19a. Unclamped Inductive Test Circuit

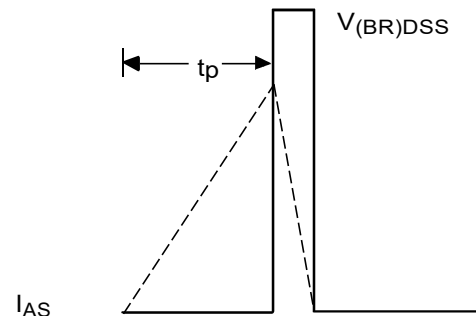


Fig 19b. Unclamped Inductive Waveforms

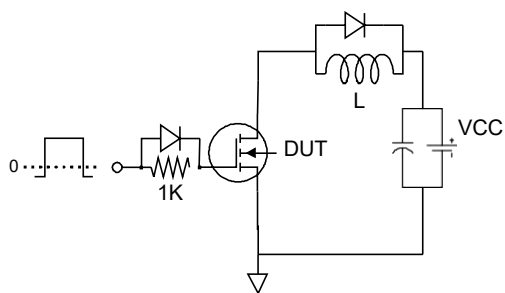


Fig 20a. Gate Charge Test Circuit

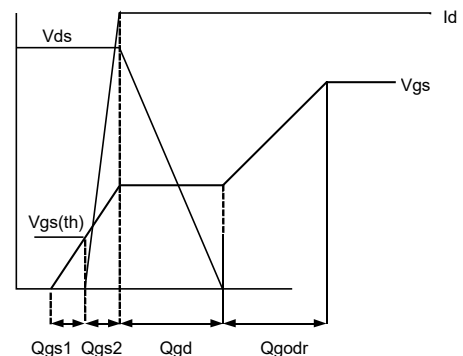


Fig 20b. Gate Charge Waveform

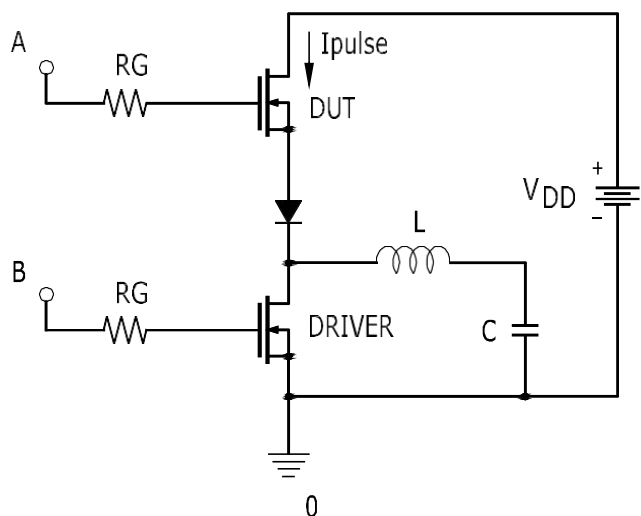


Fig 21a. t_{st} and E_{PULSE} Test Circuit

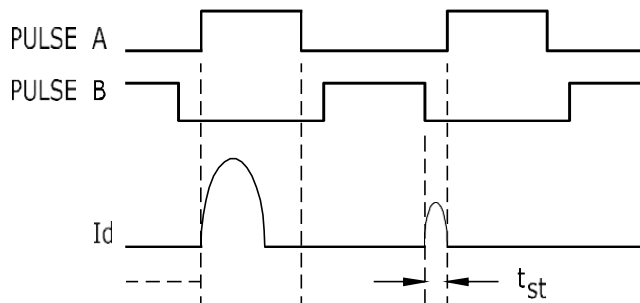


Fig 21b. t_{st} Test Waveforms

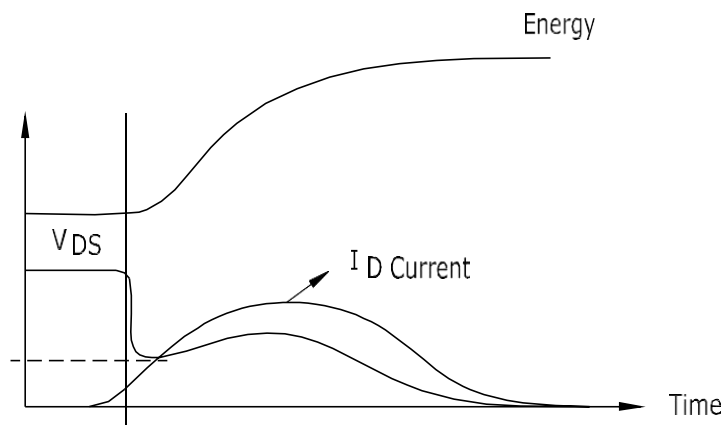


Fig 21c. E_{PULSE} Test Waveforms

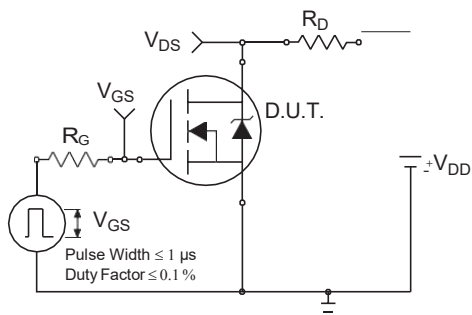


Fig 22a. Switching Time Test Circuit

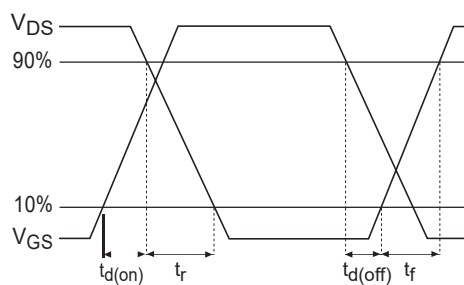
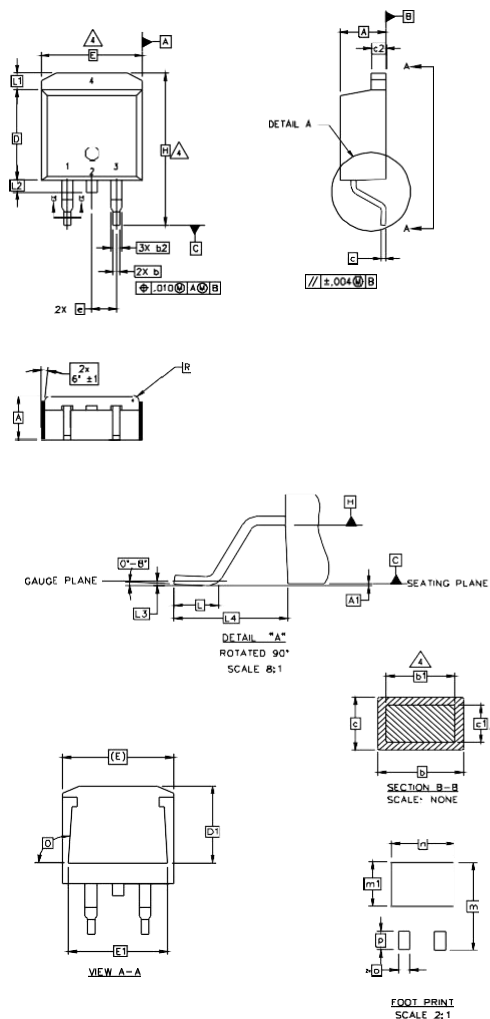


Fig 22b. Switching Time Waveforms

D²Pak Package Outline (Dimensions are shown in millimeters (inches))

NOTES:

1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994
2. DIMENSIONS ARE SHOWN IN MILLIMETERS [INCHES].
3. DIMENSION D & E DO NOT INCLUDE MOLD FLASH. MOLD FLASH SHALL NOT EXCEED 0.127 [0.005"] PER SIDE. THESE DIMENSIONS ARE MEASURED AT THE OUTMOST EXTREMES OF THE PLASTIC BODY.
4. DIMENSION b1 AND c1 APPLY TO BASE METAL ONLY.
5. CONTROLLING DIMENSION: INCH.

SYMBOL	DIMENSIONS				NOTES
	MILLIMETERS		INCHES		
	MIN.	MAX.	MIN.	MAX.	
A	4.06	4.83	.160	.190	4
A1	0.00	0.254	.000	.010	
b	0.51	0.99	.020	.039	
b1	0.51	0.89	.020	.035	
b2	1.14	1.78	.045	.070	4
c	0.38	0.74	.015	.029	
c1	0.38	0.58	.015	.023	
c2	1.14	1.65	.045	.065	
D	8.51	9.65	.335	.380	3
D1	6.86		.270		
E	9.65	10.67	.380	.420	3
E1	6.22		.245		
e	2.54 BSC		.100 BSC		
H	14.61	15.88	.575	.625	
L	1.78	2.79	.070	.110	
L1		1.65		.065	
L2	1.27	1.78	.050	.070	
L3	0.25 BSC		.010 BSC		
L4	4.78	5.28	.188	.208	
m	17.78		.700		
m1	8.89		.350		
n	11.43		.450		
o	2.08		.082		
p	3.81		.150		
R	0.51	0.71	.020	.028	
θ	90°	93°	90°	93°	

LEAD ASSIGNMENTS

HEXFET

- 1.- GATE
- 2, 4.- DRAIN
- 3.- SOURCE

IGBTs, CoPACK

- 1.- GATE
- 2, 4.- COLLECTOR
- 3.- EMITTER

DIODES

- 1.- ANODE *
- 2, 4.- CATHODE
- 3.- ANODE

* PART DEPENDENT.

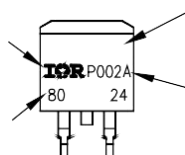
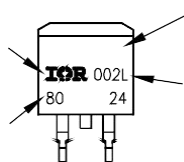
D²Pak Part Marking Information

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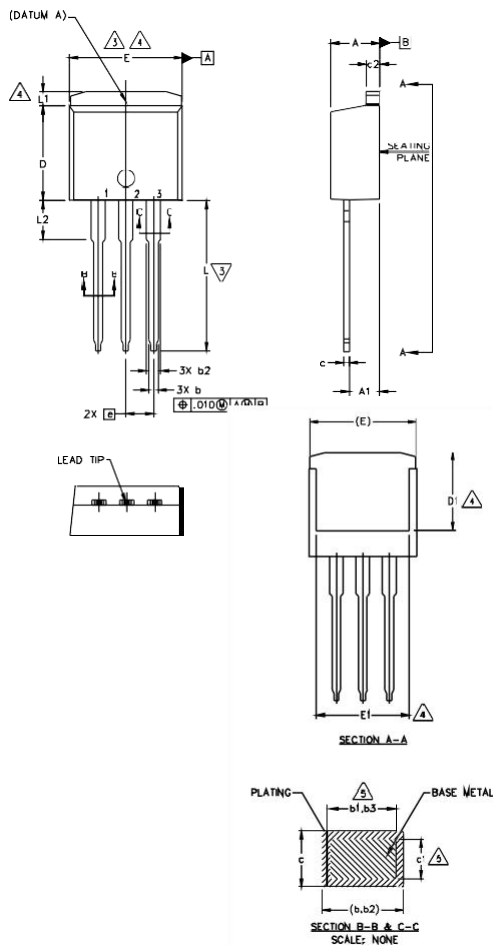
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OR

Note: For the most current drawing please refer to IR website at: <http://www.irf.com/package/>

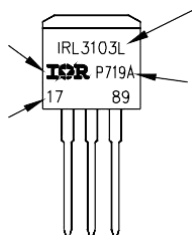
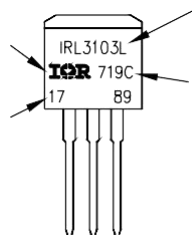
TO-262 Package Outline

Dimensions are shown in millimeters (inches)



TO-262 Part Marking Information

Note: "P" in assembly line position indicates "Lead - Free"



NOTES:

1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994

2. DIMENSIONS ARE SHOWN IN MILLIMETERS [INCHES].

3. DIMENSION D & E DO NOT INCLUDE MOLD FLASH. MOLD FLASH SHALL NOT EXCEED 0.127 [0.005"] PER SIDE. THESE DIMENSIONS ARE MEASURED AT THE OUTMOST EXTREMES OF THE PLASTIC BODY.

4. THERMAL PAD CONTOUR OPTIONAL WITHIN DIMENSION E, L1, D1 & E1.

5. DIMENSION b1 AND c1 APPLY TO BASE METAL ONLY.

6. CONTROLLING DIMENSION: INCH

7.- OUTLINE CONFORM TO JEDEC TO-262 EXCEPT A1(max.), b(min.), AND D1(min.) WHERE DIMENSIONS DERIVED THE ACTUAL PACKAGE OUTLINE.

SAMPLE NO.	DIMENSIONS						UNIT
	MILLIMETERS			INCHES			
	DIMENSIONS			DIMENSIONS			
	MIN.	MAX.		MIN.	MAX.		
A	4.06	4.83		.160	.190		4
B	4.06	4.83		.160	.190		
C	0.03	0.02		.001	.013		
D	0.51	0.99		.020	.039		
E	0.93	0.99		.020	.039		
F	0.93	0.99		.020	.039		
G	1.74	1.78		.045	.070		
H	1.14	1.78		.045	.070		
I	1.14	1.78		.045	.070		
J	0.74	1.73		.019	.068		
K	0.74	0.74		.019	.029		
L	0.74	0.74		.019	.029		
M	1.4	1.6		.045	.065		
N	0.99	0.99		.020	.039		
O	0.99	0.99		.020	.039		
P	1.6	1.6		.063	.063		
Q	1.6	1.6		.063	.063		
R	1.6	1.6		.063	.063		
S	1.6	1.6		.063	.063		
T	1.6	1.6		.063	.063		
U	1.6	1.6		.063	.063		
V	1.6	1.6		.063	.063		
W	1.6	1.6		.063	.063		
X	1.6	1.6		.063	.063		
Y	1.6	1.6		.063	.063		
Z	1.6	1.6		.063	.063		
AA	1.6	1.6		.063	.063		
AB	1.6	1.6		.063	.063		
AC	1.6	1.6		.063	.063		
AD	1.6	1.6		.063	.063		
AE	1.6	1.6		.063	.063		
AF	1.6	1.6		.063	.063		
AG	1.6	1.6		.063	.063		
AH	1.6	1.6		.063	.063		
AI	1.6	1.6		.063	.063		
AJ	1.6	1.6		.063	.063		
AK	1.6	1.6		.063	.063		
AL	1.6	1.6		.063	.063		
AM	1.6	1.6		.063	.063		
AN	1.6	1.6		.063	.063		
AO	1.6	1.6		.063	.063		
AP	1.6	1.6		.063	.063		
AQ	1.6	1.6		.063	.063		
AR	1.6	1.6		.063	.063		
AS	1.6	1.6		.063	.063		
AT	1.6	1.6		.063	.063		
AU	1.6	1.6		.063	.063		
AV	1.6	1.6		.063	.063		
AW	1.6	1.6		.063	.063		
AX	1.6	1.6		.063	.063		
AY	1.6	1.6		.063	.063		
AZ	1.6	1.6		.063	.063		
BA	1.6	1.6		.063	.063		
BB	1.6	1.6		.063	.063		
BC	1.6	1.6		.063	.063		
BD	1.6	1.6		.063	.063		
BE	1.6	1.6		.063	.063		
BF	1.6	1.6		.063	.063		
BG	1.6	1.6		.063	.063		
BH	1.6	1.6		.063	.063		
BI	1.6	1.6		.063	.063		
BJ	1.6	1.6		.063	.063		
BK	1.6	1.6		.063	.063		
BL	1.6	1.6		.063	.063		
BM	1.6	1.6		.063	.063		
BN	1.6	1.6		.063	.063		
BO	1.6	1.6		.063	.063		
BP	1.6	1.6		.063	.063		
BQ	1.6	1.6		.063	.063		
BR	1.6	1.6		.063	.063		
BS	1.6	1.6		.063	.063		
BT	1.6	1.6		.063	.063		
BU	1.6	1.6		.063	.063		
BV	1.6	1.6		.063	.063		
BW	1.6	1.6		.063	.063		
BX	1.6	1.6		.063	.063		
BY	1.6	1.6		.063	.063		
BZ	1.6	1.6		.063	.063		
CA	1.6	1.6		.063	.063		
CB	1.6	1.6		.063	.063		
CC	1.6	1.6		.063	.063		
CD	1.6	1.6		.063	.063		
CE	1.6	1.6		.063	.063		
CF	1.6	1.6		.063	.063		
CG	1.6	1.6		.063	.063		
CH	1.6	1.6		.063	.063		
CI	1.6	1.6		.063	.063		
CJ	1.6	1.6		.063	.063		
CK	1.6	1.6		.063	.063		
CL	1.6	1.6		.063	.063		
CM	1.6	1.6		.063	.063		
CN	1.6	1.6		.063	.063		
CO	1.6	1.6		.063	.063		
CP	1.6	1.6		.063	.063		
CQ	1.6	1.6		.063	.063		
CR	1.6	1.6		.063	.063		
CS	1.6	1.6		.063	.063		
CT	1.6	1.6		.063	.063		
CU	1.6	1.6		.063	.063		
CV	1.6	1.6		.063	.063		
CW	1.6	1.6		.063	.063		
CX	1.6	1.6		.063	.063		
CY	1.6	1.6		.063	.063		
CZ	1.6	1.6		.063	.063		
DA	1.6	1.6		.063	.063		
DB	1.6	1.6		.063	.063		
DC	1.6	1.6		.063	.063		
DD	1.6	1.6		.063	.063		
DE	1.6	1.6		.063	.063		
DF	1.6	1.6		.063	.063		
DG	1.6	1.6		.063	.063		
DH	1.6	1.6		.063	.063		
DI	1.6	1.6		.063	.063		
DJ	1.6	1.6		.063	.063		
DK	1.6	1.6		.063	.063		
DL	1.6	1.6		.063	.063		
DM	1.6	1.6		.063	.063		
DN	1.6	1.6		.063	.063		
DO	1.6	1.6		.063	.063		
DP	1.6	1.6		.063	.063		
DQ	1.6	1.6		.063	.063		
DR	1.6	1.6		.063	.063		
DS	1.6	1.6		.063	.063		
DT	1.6	1.6		.063	.063		
DU	1.6	1.6		.063	.063		
DV	1.6	1.6		.063	.063		
DW	1.6	1.6		.063	.063		
DX	1.6	1.6		.063	.063		
DY	1.6	1.6		.063	.063		
DZ	1.6	1.6		.063	.063		
EA	1.6	1.6		.063	.063		
EB	1.6	1.6		.063	.063		
EC	1.6	1.6		.063	.063		
ED	1.6	1.6		.063	.063		
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EF	1.6	1.6		.063	.063		
EG	1.6	1.6		.063	.063		
EH	1.6	1.6		.063	.063		
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EJ	1.6	1.6		.063	.063		
EK	1.6	1.6		.063	.063		
EL	1.6	1.6		.063	.063		
EM	1.6	1.6		.063	.063		
EN	1.6	1.6		.063	.063		
EO	1.6	1.6		.063	.063		
EP	1.6	1.6		.063	.063		
EQ	1.6	1.6		.063	.063		
ER	1.6	1.6		.063	.063		
ES	1.6	1.6		.063	.063		
ET	1.6	1.6		.063	.063		
EU	1.6	1.6		.063	.063		
EV	1.6	1.6		.063	.063		
EW	1.6	1.6		.063	.063		
EX	1.6	1.6		.063	.063		
EY	1.6	1.6		.063	.063		
EZ	1.6	1.6		.063	.063		
FA	1.6	1.6		.063	.063		
FB	1.6	1.6		.063	.063		
FC	1.6	1.6		.063	.063		
FD	1.6	1.6		.063	.063		
FE	1.6	1.6		.063	.063		
FF	1.6	1.6		.063	.063		
FG	1.6	1.6		.063	.063		
FH	1.6	1.6		.063	.063		
FI	1.6	1.6		.063	.063		
FJ	1.6	1.6		.063	.063		
FK	1.6	1.6		.063	.063		
FL	1.6	1.6		.063	.063		
FM	1.6	1.6		.063	.063		
FN	1.6	1.6		.063	.063		
FO	1.6	1.6		.063	.063		
FP	1.6	1.6		.063	.063		
FQ	1.6	1.6		.063	.063		
FR	1.6	1.6		.063	.063		
FS	1.6	1.6		.063	.063		
FT	1.6	1.6		.063	.063		
FU	1.6	1.6		.063	.063		
FV	1.6	1.6		.063	.063		
FW	1.6	1.6		.063	.063		
FX	1.6	1.6		.063	.063		
FY	1.6	1.6		.063	.063		
FZ	1.6	1.6		.063	.063		
GA	1.6	1.6		.063	.063		
GB	1.6	1.6		.063	.063		
GC	1.6	1.6		.063	.063		
GD	1.6	1.6		.063	.063		
GE	1.6	1.6		.063	.063		
GF	1.6	1.6		.063	.063		
GG	1.6	1.6		.063	.063		
GH	1.6	1.6		.063	.063		
GI	1.6	1.6		.063	.063		
GJ	1.6	1.6		.063	.063		
GK	1.6	1.6		.063	.063		
GL	1.6	1.6		.063	.063		
GM	1.6	1.6		.063	.063		
GN	1.6	1.6		.063	.063		
GO	1.6	1.6		.063	.063		
GP	1.6	1.6		.063	.063		
GQ	1.6	1.6		.063	.063		
GR	1.6	1.6		.063	.063		
GS	1.6	1.6		.063	.063		
GT	1.6	1.6		.063	.063		
GU	1.6	1.6		.063	.063		
GV	1.6	1.6		.063	.063		
GW	1.6	1.6		.063	.063		
GX	1.6	1.6		.063	.063		
GY	1.6	1.6		.063	.063		
GZ	1.6	1.6		.063	.063		
HA	1.6	1.6		.063	.063		
HB	1.6	1.6		.063	.063		
HC	1.6	1.6		.063	.063		
HD	1.6	1.6		.063	.063		
HE	1.6	1.6		.063	.063		
HF	1.6	1.6		.063	.063		
HG	1.6	1.6		.063	.063		
HH	1.6	1.6		.063	.063		
HI	1.6	1.6		.063	.063		
HJ	1.6	1.6		.063	.063		
HK	1.6	1.6		.063	.063		
HL	1.6	1.6		.063	.063		
HM	1.6	1.6		.063	.063		
HN	1.6	1.6		.063	.063		
HO	1.6	1.6		.063	.063		
HP	1.6	1.6		.063	.063		
HQ	1.6	1.6		.063	.063		
HR	1.6	1.6		.063	.063		
HS	1.6	1.6		.063	.063		
HT	1.6	1.6		.063	.063		
HU	1.6	1.6		.063	.063		
HV	1.6	1.6		.063	.063		
HW	1.6	1.6		.063	.063		
HX	1.6	1.6		.063	.063		
HY	1.6	1.6		.063	.063		
HZ	1.6	1.6		.063	.063		
IA	1.6	1.6		.063	.063		
IB	1.6	1.6		.063	.063		
IC	1.6	1.6		.063	.063		
ID	1.6	1.6		.063	.063		
IE	1.6	1.6		.063	.063		
IF	1.6	1.6		.063	.063		
IG	1.6	1.6		.063	.063		
IH	1.6	1.6		.063	.063		
II	1.6	1.6		.063	.063		
IJ	1.6	1.6		.063	.063		
IK	1.6	1.6		.063	.063		

LEAD ASSIGNMENTS

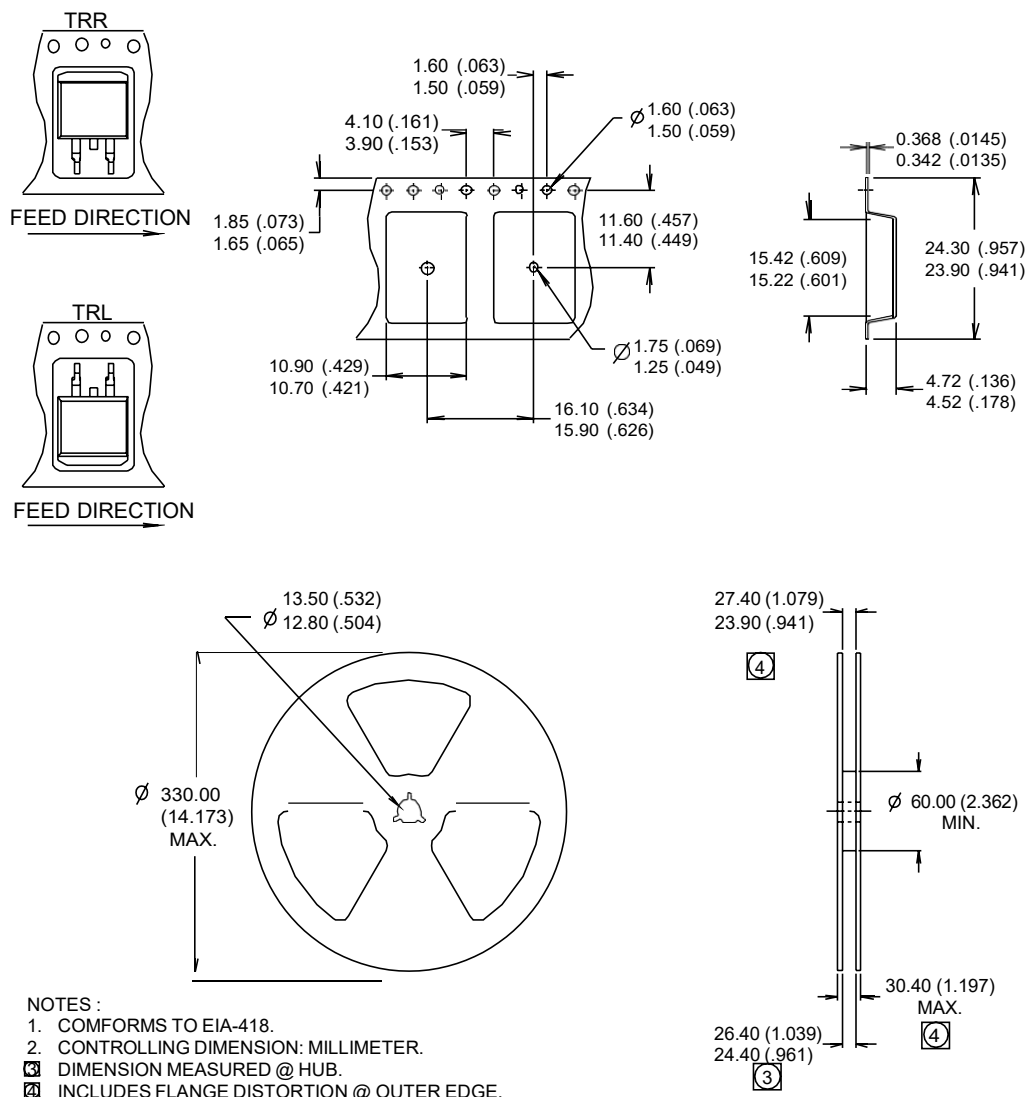
HEXFET

- 1.- GATE
- 2.- DRAIN
- 3.- SOURCE
- 4.- DRAIN

IGBTs, CoPACK

- 1.- GATE
- 2.- COLLECTOR
- 3.- EMITTER
- 4.- COLLECTOR

D²Pak Tape & Reel Information



Notes:

- ① Repetitive rating; pulse width limited by max. junction temperature.
Starting $T_J = 25^\circ\text{C}$, $L = 0.2\text{mH}$, $R_G = 25\Omega$, $I_{AS} = 37\text{A}$.
- ③ Pulse width $\leq 400\mu\text{s}$; duty cycle $\leq 2\%$.
- ④ R_θ is measured at T_J of approximately 90°C .
Half sine wave with duty cycle = 0.25, $t_{on} = 1\mu\text{sec}$.
- ® When mounted on 1" square PCB (FR-4 or G-10 Material). For recommended footprint and soldering techniques refer to application note #AN-994.

Note: For the most current drawing please refer to IR website at: <http://www.irf.com/package/>

Data and specifications subject to change without notice.
This product has been designed and qualified for the Industrial market.
Qualification Standards can be found on IR's Web site.

International
IR Rectifier

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