

AUTOMOTIVE GRADE

AUIRLR2905 AUIRLU2905

Features

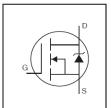
- Advanced Planar Technology
- Logic Level Gate Drive
- Low On-Resistance
- Dynamic dV/dT Rating
- 175°C Operating Temperature
- Fast Switching
- Fully Avalanche Rated
- Repetitive Avalanche Allowed up to Tjmax
- Lead-Free, RoHS Compliant
- Automotive Qualified *

Description

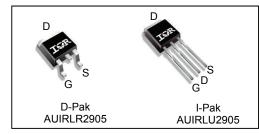
Specifically designed for Automotive applications, this cellular design of HEXFET® Power MOSFETs utilizes the latest processing techniques to achieve low on-resistance per silicon area. This benefit combined with the fast switching speed and ruggedized device design that HEXFET power MOSFETs are well known for, provides the designer with an extremely efficient and reliable device for use in Automotive and a wide variety of other applications.



HEXFET® Power MOSFET



V _{DSS}		55V
R _{DS(on)}	max.	27mΩ
I _D		42A



G	D	S
Gate	Drain	Source

Base part number Package Type		Standard Pack		Orderable Part Number
		Form	Quantity	Orderable Part Number
AUIRLU2905	I-Pak	Tube	75	AUIRLU2905
ALUDI DOOGE D. Dole		Tube	75	AUIRLR2905
AUIRLR2905	D-Pak	Tape and Reel Left	3000	AUIRLR2905TRL

Absolute Maximum Ratings

Stresses beyond those listed under "Absolute Maximum Ratings" may cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other condition beyond those indicated in the specifications is not implied. Exposure to absolute-maximum-rated conditions for extended periods may affect device reliability. The thermal resistance and power dissipation ratings are measured under board mounted and still air conditions. Ambient temperature (TA) is 25°C, unless

Symbol	Parameter	Max.	Units
I _D @ T _C = 25°C	Continuous Drain Current, V _{GS} @ 10V	42	
I _D @ T _C = 100°C	Continuous Drain Current, V _{GS} @ 10V	30	Α
I _{DM}	Pulsed Drain Current ①	160	
P _D @T _C = 25°C	Maximum Power Dissipation	110	W
	Linear Derating Factor	0.71	W/°C
V_{GS}	Gate-to-Source Voltage	± 16	V
E _{AS}	Single Pulse Avalanche Energy (Thermally Limited) ②	210	1
E _{AS (tested)}	Single Pulse Avalanche Energy (tested Value) ®	200	— mJ
I _{AR}	Avalanche Current ①	25	Α
E _{AR}	Repetitive Avalanche Energy ①	11	mJ
dv/dt	Peak Diode Recovery®	5.0	V/ns
TJ	Operating Junction and		
T _{STG}	Storage Temperature Range		°C
	Soldering Temperature, for 10 seconds (1.6mm from case)	300	

Thermal Resistance

Symbol	Parameter	Тур.	Max.	Units
$R_{\theta JC}$	Junction-to-Case ©		1.4	
$R_{ heta JA}$	Junction-to-Ambient (PCB Mount) ©		50	°C/W
$R_{\theta JA}$	Junction-to-Ambient		110	

HEXFET® is a registered trademark of Infineon.

^{*}Qualification standards can be found at www.infineon.com



Static @ T_J = 25°C (unless otherwise specified)

	Parameter	Min.	Тур.	Max.	Units	Conditions
$V_{(BR)DSS}$	Drain-to-Source Breakdown Voltage	55			V	$V_{GS} = 0V, I_D = 250\mu A$
$\Delta V_{(BR)DSS}/\Delta T_J$	Breakdown Voltage Temp. Coefficient		0.070		V/°C	Reference to 25°C, I _D = 1mA
				0.027		V _{GS} = 10V, I _D = 25A ④
R _{DS(on)}	Static Drain-to-Source On-Resistance			0.030	Ω	V _{GS} = 5.0V, I _D = 25A ④
, ,				0.040		V _{GS} = 4.0V, I _D = 21A ④
$V_{GS(th)}$	Gate Threshold Voltage	1.0		2.0	V	$V_{DS} = V_{GS}, I_{D} = 250 \mu A$
gfs	Forward Trans conductance	21			S	$V_{DS} = 25V, I_{D} = 25A$
ı	Drain to Source Leakage Current			25	μA	$V_{DS} = 55V, V_{GS} = 0V$
I _{DSS}	Drain-to-Source Leakage Current			250	μΑ	$V_{DS} = 44V, V_{GS} = 0V, T_{J} = 150^{\circ}C$
	Gate-to-Source Forward Leakage			100	n ^	V _{GS} = 16V
I _{GSS}	Gate-to-Source Reverse Leakage			-100	nA	V _{GS} = - 16V

Dynamic Electrical Characteristics @ T_J = 25°C (unless otherwise specified)

Q_g	Total Gate Charge	 	48		I _D = 25A
Q_{gs}	Gate-to-Source Charge	 	8.6	nC	$V_{DS} = 44V$
Q_{gd}	Gate-to-Drain Charge	 	25		V _{GS} = 5.0V ④
$t_{d(on)}$	Turn-On Delay Time	 11			$V_{DD} = 28V$
t _r	Rise Time	84		20	I _D = 25A
$t_{d(off)}$	Turn-Off Delay Time	 26		ns	$R_G = 3.4\Omega, V_{GS} = 5.0V$
t _f	Fall Time	 15			$R_D = 1.1\Omega $ ④
L _D	Internal Drain Inductance	 4.5			Between lead, 6mm (0.25in.)
Ls	Internal Source Inductance	 7.5			from package and center of die contact
C _{iss}	Input Capacitance	 1700			$V_{GS} = 0V$
Coss	Output Capacitance	 400		pF	V _{DS} = 25V
C _{rss}	Reverse Transfer Capacitance	 150			f = 1.0MHz, See Fig. 5

Diode Characteristics

	Parameter	Min.	Тур.	Max.	Units	Conditions
Is	Continuous Source Current			42		MOSFET symbol
.5	(Body Diode)		4 A	showing the		
ı	Pulsed Source Current			160		integral reverse
I _{SM}	(Body Diode) ①			100		p-n junction diode.
V_{SD}	Diode Forward Voltage			1.3	V	$T_J = 25^{\circ}C, I_S = 25A, V_{GS} = 0V $ ④
t _{rr}	Reverse Recovery Time		80	120	ns	$T_J = 25^{\circ}C$, $I_F = 25A$
Q _{rr}	Reverse Recovery Charge		210	320	nC	di/dt = 100A/μs④
ton	Forward Turn-On Time	Intrinsio	turn-on	time is	negligil	ole (turn-on is dominated by L _S +L _D)

Notes:

- ② $V_{DD} = 25V$, Starting $T_J = 25$ °C, $L = 470\mu H$, $R_G = 25\Omega$, $I_{AS} = 25A$ (See fig. 12)
- $\label{eq:loss_state} \mbox{\Im} \quad I_{SD} \leq 25A, \ di/dt \leq 270A/\mu s, \ V_{DD} \leq V_{(BR)DSS}, \ T_J \leq 175^{\circ}C.$
- 4 Pulse width $\leq 300 \mu s$; duty cycle $\leq 2\%$.
- When mounted on 1" square PCB (FR-4 or G-10 Material). For recommended footprint and soldering techniques refer to application note #AN-994.
- © R_θ is measured at T_j approximately 90°C.



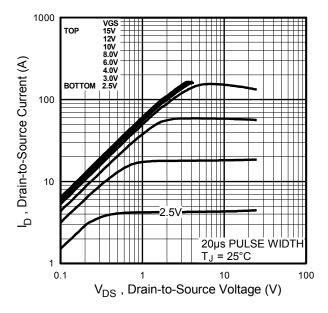


Fig. 1 Typical Output Characteristics

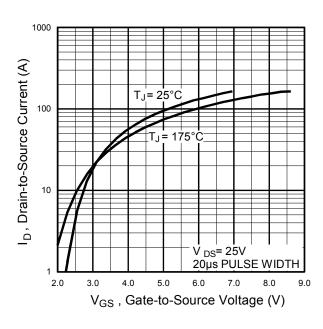


Fig. 3 Typical Transfer Characteristics

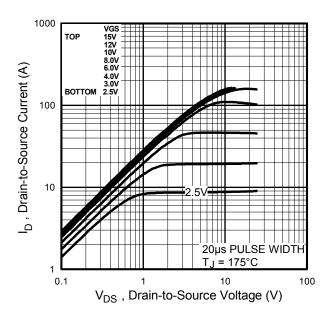


Fig. 2 Typical Output Characteristics

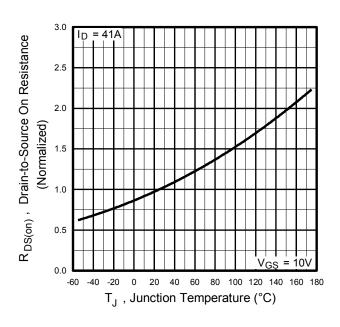


Fig. 4 Normalized On-Resistance Vs. Temperature



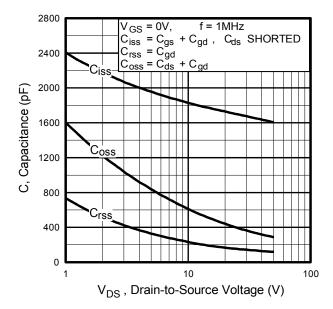


Fig 5. Typical Capacitance vs. Drain-to-Source Voltage

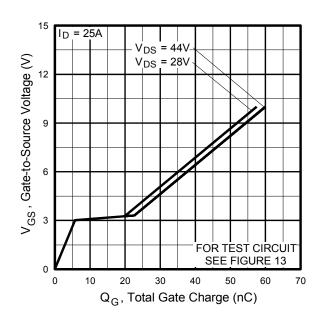


Fig 6. Typical Gate Charge vs. Gate-to-Source Voltage

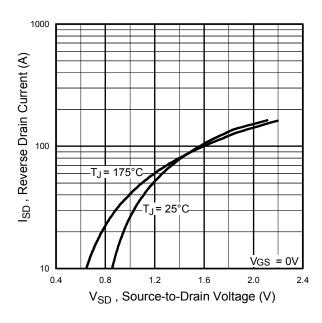


Fig. 7 Typical Source-to-Drain Diode Forward Voltage

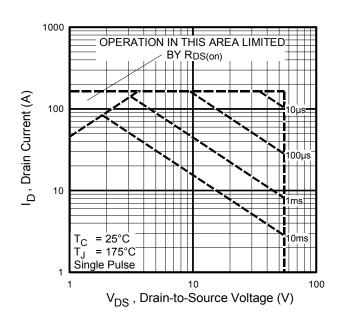


Fig 8. Maximum Safe Operating Area



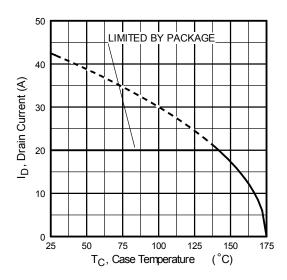


Fig 9. Maximum Drain Current Vs. Case Temperature

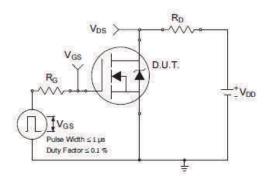


Fig 10a. Switching Time Test Circuit

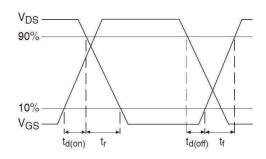


Fig 10b. Switching Time Waveforms

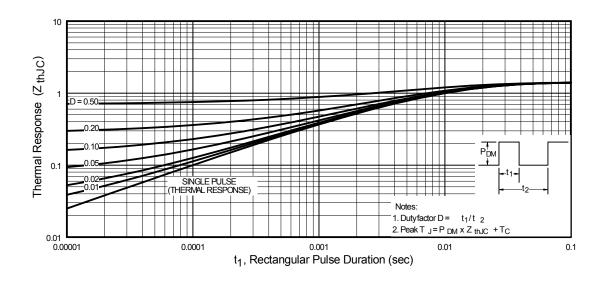


Fig 11. Maximum Effective Transient Thermal Impedance, Junction-to-Case



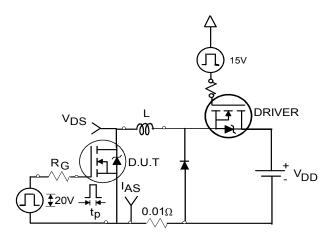


Fig 12a. Unclamped Inductive Test Circuit

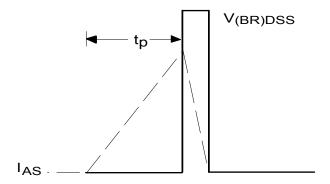


Fig 12b. Unclamped Inductive Waveforms

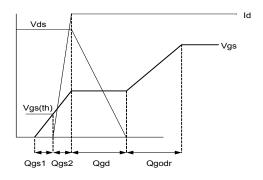


Fig 13a. Gate Charge Waveform

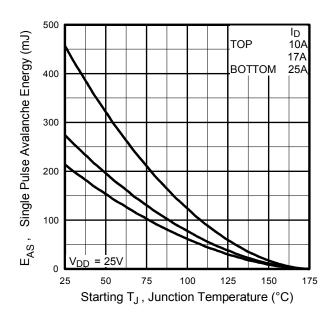


Fig 12c. Maximum Avalanche Energy vs. Drain Current

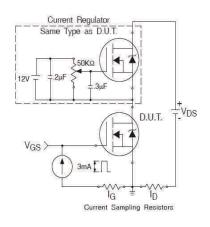
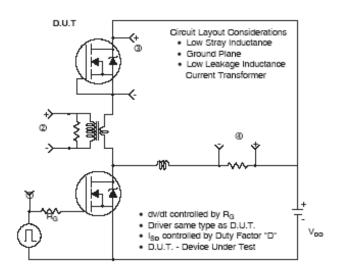
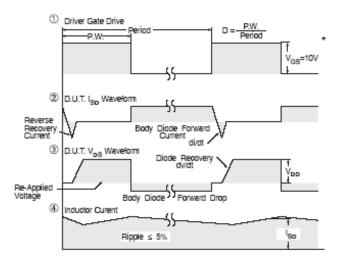


Fig 13b. Gate Charge Test Circuit



Peak Diode Recovery dv/dt Test Circuit



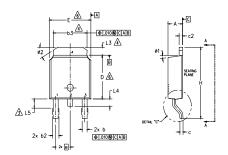


^{*} V_{GS} = 5V for Logic Level Devices

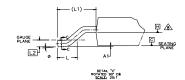
Fig 14. Peak Diode Recovery dv/dt Test Circuit for N-Channel HEXFET® Power MOSFETs

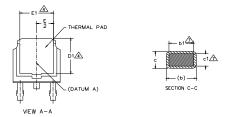


D-Pak (TO-252AA) Package Outline (Dimensions are shown in millimeters (inches))









NOTES:

- 1.- DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994
- 2.- DIMENSION ARE SHOWN IN INCHES [MILLIMETERS].
- A- LEAD DIMENSION UNCONTROLLED IN L5.
- A- DIMENSION D1, E1, L3 & b3 ESTABLISH A MINIMUM MOUNTING SURFACE FOR THERMAL PAD.
- 5.— SECTION C-C DIMENSIONS APPLY TO THE FLAT SECTION OF THE LEAD BETWEEN .005 AND 0.10 [0.13 AND 0.25] FROM THE LEAD TIP.
- Limension D & E DO NOT INCLUDE MOLD FLASH. MOLD FLASH SHALL NOT EXCEED .005 [0.13] PER SIDE. THESE DIMENSIONS ARE MEASURED AT THE OUTMOST EXTREMES OF THE PLASTIC BODY.
- A- DIMENSION 61 & c1 APPLIED TO BASE METAL ONLY.
- ♠ DATUM A & B TO BE DETERMINED AT DATUM PLANE H.
- 9.- OUTLINE CONFORMS TO JEDEC OUTLINE TO-252AA.

S Y M B O C C C C C C C C C C C C C C C C C C	_					
B O L MINLIMETERS INCHES T E S E S E S E S E S E S E S E S E S E			DIMEN	SIONS		Ŋ
A 2.18 2.39 .086 .094 A1 - 0.13005 b 0.64 0.89 .025 .035 b1 0.65 0.79 .025 .031 7 b2 0.76 1.14 .030 .045 b3 4.95 5.46 .195 .215 4 c 0.46 0.61 .018 .024 c1 0.41 0.56 .016 .022 7 c2 0.46 0.89 .018 .035 D 5.97 6.22 .235 .245 6 D1 5.21205 - 4 E 6.35 6.73 .250 .265 6 E1 4.32170 - 4 E 6.35 6.73 .250 .265 E1 4.32170 - 4 E 2.29 BSC .090 BSC H 9.40 10.41 .370 .410 L 1.40 1.78 .055 .070 L1 2.74 BSC .108 REF. L2 0.51 BSC .020 BSC L3 0.89 1.27 .035 .050 4 L4102040 L5 1.14 1.52 .045 .060 3 Ø 0° 10° 0° 10° Ø1 0° 15° 0° 15°	В	MILLIM	ETERS	INC	HES	Ť
A1 — 0.13 — .005 b 0.64 0.89 .025 .035 b1 0.65 0.79 .025 .031 7 b2 0.76 1.14 .030 .045 b3 4.95 5.46 .195 .215 4 c 0.46 0.61 .018 .024 7 c2 0.46 0.89 .018 .035 6 D 5.97 6.22 .235 .245 6 D1 5.21 — .205 — 4 E 6.35 6.73 .250 .265 6 E1 4.32 — .170 — 4 e 2.29 BSC .090 BSC H 9.40 10.41 .370 .410 L 1.108 REF .020 BSC L2 0.51 BSC .020 BSC		MIN.	MAX.	MIN.	MAX.	E S
b 0.64 0.89 .025 .035 b1 0.65 0.79 .025 .031 7 b2 0.76 1.14 .030 .045 b3 4.95 5.46 .195 .215 4 c 0.46 0.61 .018 .024 c1 0.41 0.56 .016 .022 7 c2 0.46 0.89 .018 .035 D 5.97 6.22 .235 .245 6 D1 5.21 - .205 - 4 E 6.35 6.73 .250 .265 6 E1 4.32 - .170 - 4 e 2.29 BSC .090 BSC H 9.40 10.41 .370 .410 L 1.140 1.78 .055 .070 L1 0.51 BSC .020 BSC L3 <td>Α</td> <td>2.18</td> <td>2.39</td> <td>.086</td> <td>.094</td> <td></td>	Α	2.18	2.39	.086	.094	
b1 0.65 0.79 .025 .031 7 b2 0.76 1.14 .030 .045 b3 4.95 5.46 .195 .215 4 c 0.46 0.61 .018 .024 7 c2 0.46 0.89 .018 .035 6 0 0 0 0.35 6 0 1 0 0 0 0 0 0 0 0 <t< td=""><td>A1</td><td>-</td><td>0.13</td><td>-</td><td>.005</td><td></td></t<>	A1	-	0.13	-	.005	
b2 0.76 1.14 0.30 0.45 b3 4.95 5.46 .195 .215 4 c 0.46 0.61 .018 .024 7 c1 0.41 0.56 .016 .022 7 c2 0.46 0.89 .018 .035 6 D 5.97 6.22 .235 .245 6 D1 5.21 - .205 - 4 E 6.35 6.73 .250 .265 6 E1 4.32 - .170 - 4 e 2.29 BSC .090 BSC H 9.40 10.41 .370 .410 L 1.40 1.78 .055 .070 L1 2.74 BSC .108 REF. L2 0.51 BSC .020 BSC L3 0.89 1.27 .035 .050 4	b	0.64	0.89	.025	.035	
b3	ь1	0.65	0.79	.025	.031	7
c 0.46 0.61 .018 .024 c1 0.41 0.56 .016 .022 7 c2 0.46 0.89 .018 .035 7 D 5.97 6.22 .235 .245 6 D1 5.21 - .205 - 4 E 6.35 6.73 .250 .265 6 E1 4.32 - .170 - 4 e 2.29 BSC .090 BSC H 9.40 10.41 .370 .410 L 1.40 1.78 .055 .070 L1 2.74 BSC .108 REF. L2 0.51 BSC .020 BSC L3 0.89 1.27 .035 .050 4 L4 - 1.02 - .040 L5 1.14 1.52 .045 .060 3	b2	0.76	1.14	.030	.045	
c1 0.41 0.56 .016 .022 7 c2 0.46 0.89 .018 .035 8 D 5.97 6.22 .235 .245 6 D1 5.21 - .205 - 4 E 6.35 .250 .265 6 E1 4.32 - .170 - 4 e 2.29 BSC .090 BSC H 9.40 10.41 .370 .410 L 1.40 1.78 .055 .070 L1 2.74 BSC .108 REF. L2 0.51 BSC .020 BSC L3 0.89 1.27 .035 .050 4 L4 - 1.02 - .040 L5 1.14 1.52 .045 .060 3 Ø 0° 10° 0° 10° 10° Ø	b3	4.95	5.46	.195	.215	4
c2 0.46 0.89 .018 .035 D 5.97 6.22 .235 .245 6 D1 5.21 - .205 - 4 E 6.35 6.73 .250 .265 6 E1 4.32 - .170 - 4 e 2.29 BSC .090 BSC H 9.40 10.41 .370 .410 L 1.40 1.78 .055 .070 L1 2.74 BSC .108 REF. L2 0.51 BSC .020 BSC L3 0.89 1.27 .035 .050 4 L4 - 1.02 - .040 L5 1.14 1.52 .045 .060 3 Ø 0° 10° 0° 10° Ø 0° 15° 0° 15°	С	0.46	0.61	.018	.024	
D 5.97 6.22 .235 .245 6	c1	0.41	0.56	.016	.022	7
D1	c2	0.46	0.89	.018	.035	
E 6.35 6.73 .250 .265 6 E1 4.32170 - 4 e 2.29 BSC .090 BSC H 9.40 10.41 .370 .410 L 1.40 1.78 .055 .070 L1 2.74 BSC .108 REF. L2 0.51 BSC .020 BSC L3 0.89 1.27 .035 .050 4 L4 - 1.02040 L5 1.14 1.52 .045 .060 3 Ø 0' 10' 0' 10' Ø1 0' 15' 0' 15'	D	5.97	6.22	.235	.245	6
E1 4.32 - .170 - 4 e 2.29 BSC .090 BSC H 9.40 10.41 .370 .410 L 1.40 1.78 .055 .070 L1 2.74 BSC .108 REF. L2 0.51 BSC .020 BSC L3 0.89 1.27 .035 .050 4 L4 - 1.02 - .040 L5 1.14 1.52 .045 .060 3 Ø 0° 10° 0° 10° Ø1 0° 15° 0° 15°	D1	5.21	-	.205	-	4
e 2.29 BSC .090 BSC H 9.40 10.41 .370 .410 L 1.40 1.78 .055 .070 L1 2.74 BSC .108 REF. L2 0.51 BSC .020 BSC L3 0.89 1.27 .035 .050 4 L4 - 1.02 - .040 L5 1.14 1.52 .045 .060 3 Ø 0° 10° 0° 10° 0° 15° Ø1 0° 15° 0° 15° 0° 15°	Ε	6.35	6.73	.250	.265	6
H 9.40 10.41 .370 .410 L 1.40 1.78 .055 .070 L1 2.74 BSC .108 REF. L2 0.51 BSC .020 BSC L3 0.89 1.27 .035 .050 4 L4 - 1.02040 L5 1.14 1.52 .045 .060 3 Ø 0° 10° 0° 10° Ø1 0° 15° 0° 15°	E1	4.32	-	.170	-	4
L 1.40 1.78 .055 .070 L1 2.74 BSC .108 REF. L2 0.51 BSC .020 BSC L3 0.89 1.27 .035 .050 4 L4 - 1.02040 L5 1.14 1.52 .045 .060 3 Ø 0' 10' 0' 10' Ø1 0' 15' 0' 15'	е	2.29	BSC	.090	BSC	
L1	Н	9.40	10.41	.370	.410	
L2 0.51 BSC .020 BSC L3 0.89 1.27 .035 .050 4 L4 - 1.02 - .040 .040 .045 .060 3 Ø 0° 10° 0° 10° 10° 9 15°	L	1.40	1.78	.055	.070	
L3 0.89 1.27 .035 .050 4 L4 - 1.02040 L5 1.14 1.52 .045 .060 3 Ø 0' 10' 0' 10' Ø1 0' 15' 0' 15'	L1	2.74	BSC	.108	REF.	
L4 - 1.02 - .040 L5 1.14 1.52 .045 .060 3 Ø 0° 10° 0° 10° Ø1 0° 15° 0° 15°	L2	0.51	BSC	.020	BSC	
L5 1.14 1.52 .045 .060 3 ø 0° 10° 0° 10° ø1 0° 15° 0° 15°	L3	0.89	1.27	.035	.050	4
ø 0° 10° 0° 10° ø 0° 15° 0° 15°	L4	-	1.02	-	.040	
ø1 0° 15° 0° 15°	L5	1.14	1.52	.045	.060	3
	ø	0.	10°	0,	10°	
ø2 25° 35° 25° 35°	ø1	0,	15*	0,	15*	
	ø2	25*	35°	25*	35*	

LEAD ASSIGNMENTS

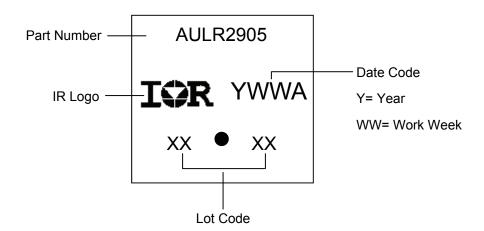
HEXFET

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

IGBT & CoPAK

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

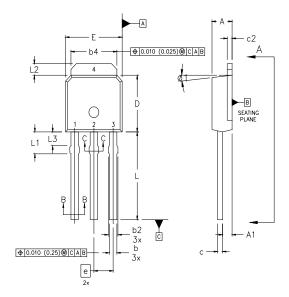
D-Pak (TO-252AA) Part Marking Information

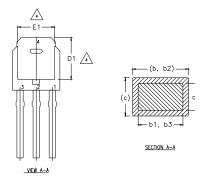


Note: For the most current drawing please refer to IR website at http://www.irf.com/package/



I-Pak (TO-251AA) Package Outline (Dimensions are shown in millimeters (inches)





NOTES:

SYMBOL

Α1

ь1

b2

ь3

b4

c1

c2

D

D1

Ε

E1

L1

L2

L3

ø1

- DIMENSIONING AND TOLERANCING PER ASME Y14.5 M- 1994.
- DIMENSIONS ARE SHOWN IN MILLIMETERS [INCHES]
- DIMENSION D & E DO NOT INCLUDE MOLD FLASH, MOLD FLASH SHALL NOT EXCEED 0.005" (0.127) PER SIDE. THESE DIMENSIONS ARE MEASURED AT THE OUTERMOST EXTREMES OF THE PLASTIC BODY.
- THERMAL PAD CONTOUR OPTION WITHIN DIMENSION 64, L2, E1 & D1.

INCHES

.094

0.045

0.035

0.031

0.045

0.041

0.215

0.024

0.022

0.035

0.245

0.265

0.380

0.050

0.060

15*

MIN.

0.086

0.035

0.025

0.025

0.030

0.030

0.195

0.018

0.016

0.018

0.235

0.205

0.250

0.170

0.350

0.075

0.035

0.045

0.

0.090 BSC

NOTES

3, 4

LEAD DIMENSION UNCONTROLLED IN L3.

DIMENSION 61, 63 APPLY TO BASE METAL ONLY.

OUTLINE CONFORMS TO JEDEC OUTLINE TO-251AA.

DIMENSIONS

CONTROLLING DIMENSION : INCHES.

MILLIMETERS

MAX

2.39

1 14

0.89

0.79

1.14

1.04

5.46

0.61

0.56

0.86

6.22

6.73

9.60

2.29

1.27

1.52

15°

MIN.

2.18

0.89

0.64

0.64

0.76

0.76

5.00

0.46

0.41

.046

5.97

5.21

6.35

4.32 2.29

8.89

1.91

0.89

1.14

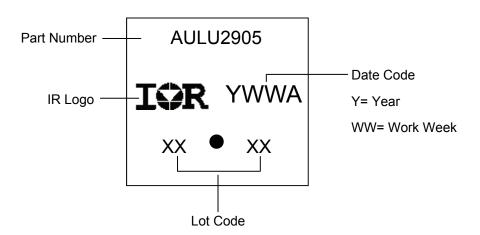
0.

LEAD	ASSIGNMEN	ITS
------	-----------	-----

ΗF	Υ	F	F	Т

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

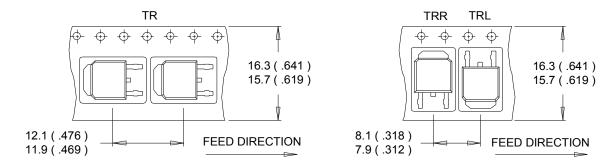
I-Pak (TO-251AA) Part Marking Information



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

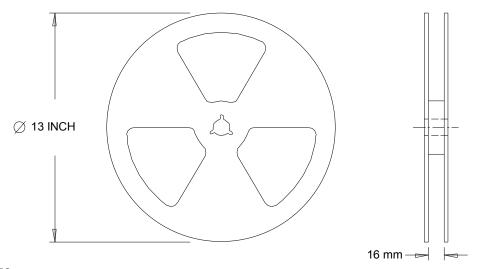


D-Pak (TO-252AA) Tape & Reel Information (Dimensions are shown in millimeters (inches))



NOTES:

- 1. CONTROLLING DIMENSION: MILLIMETER.
- 2. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS (INCHES).
- 3. OUTLINE CONFORMS TO EIA-481 & EIA-541.



NOTES:

1. OUTLINE CONFORMS TO EIA-481.

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



Qualification Information

		Automotive (per AEC-Q101)					
		Comments: This part number(s) passed Automotive qualification. Infineon's Industrial and Consumer qualification level is granted by extension of the higher Automotive level.					
Maintona Camaiticitus I accal		D-Pak	MSL1				
Woisture	Moisture Sensitivity Level		MOLI				
	Machine Model		Class M4 (+/- 425V) [†]				
	Macrime Model		AEC-Q101-002				
ECD	Lluman Dady Madal	Class H1B (+/- 1000V) †					
ESD	Human Body Model	AEC-Q101-001					
	Charged Davise Medal		Class C5 (+/- 1125V) [†]				
Charged Device Model		AEC-Q101-005					
RoHS Compliant Yes		Yes					

[†] Highest passing voltage.

Revision History

Date	Comments
12/11/2015	 Updated datasheet with corporate template Corrected ordering table on page 1.
	Added package outline and part marking on page 9

Published by Infineon Technologies AG 81726 München, Germany © Infineon Technologies AG 2015 All Rights Reserved.

IMPORTANT NOTICE

The information given in this document shall in <u>no event</u> be regarded as a guarantee of conditions or characteristics ("Beschaffenheitsgarantie"). With respect to any examples, hints or any typical values stated herein and/or any information regarding the application of the product, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation warranties of non-infringement of intellectual property rights of any third party.

In addition, any information given in this document is subject to customer's compliance with its obligations stated in this document and any applicable legal requirements, norms and standards concerning customer's products and any use of the product of Infineon Technologies in customer's applications.

The data contained in this document is exclusively intended for technically trained staff. It is the responsibility of customer's technical departments to evaluate the suitability of the product for the intended application and the completeness of the product information given in this document with respect to such application.

For further information on the product, technology, delivery terms and conditions and prices please contact your nearest Infineon Technologies office (www.infineon.com).

WARNINGS

Due to technical requirements products may contain dangerous substances. For information on the types in question please contact your nearest Infineon Technologies office.

Except as otherwise explicitly approved by Infineon Technologies in a written document signed by authorized representatives of Infineon Technologies, Infineon Technologies' products may <u>not</u> be used in any applications where a failure of the product or any consequences of the use thereof can reasonably be expected to result in personal injury.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for MOSFET category:

Click to view products by International Rectifier manufacturer:

Other Similar products are found below:

614233C 648584F MCH3443-TL-E MCH6422-TL-E FDPF9N50NZ FW216A-TL-2W FW231A-TL-E APT5010JVR NTNS3A92PZT5G IRF100S201 JANTX2N5237 2SK2464-TL-E 2SK3818-DL-E FCA20N60_F109 FDZ595PZ STD6600NT4G FSS804-TL-E 2SJ277-DL-E 2SK1691-DL-E 2SK2545(Q,T) D2294UK 405094E 423220D MCH6646-TL-E TPCC8103,L1Q(CM 367-8430-0972-503 VN1206L 424134F 026935X 051075F SBVS138LT1G 614234A 715780A NTNS3166NZT5G 751625C 873612G IRF7380TRHR IPS70R2K0CEAKMA1 RJK60S3DPP-E0#T2 RJK60S5DPK-M0#T0 APT5010JVFR APT12031JFLL APT12040JVR DMN3404LQ-7 NTE6400 JANTX2N6796U JANTX2N6784U JANTXV2N5416U4 SQM110N05-06L-GE3 SIHF35N60E-GE3