

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China









AUTOMOTIVE GRADE

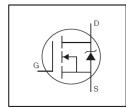
AUIRL3705Z AUIRL3705ZS AUIRL3705ZL

Features

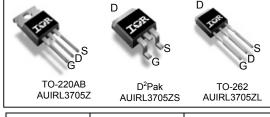
- Logic Level
- · Advanced Process Technology
- Ultra Low On-Resistance
- 175°C Operating Temperature
- Fast Switching
- · Repetitive Avalanche Allowed up to Timax
- Lead-Free, RoHS Compliant
- Automotive Qualified *

Description

Specifically designed for Automotive applications, this HEXFET® Power MOSFET utilizes the latest processing techniques to achieve extremely low on-resistance per silicon area. Additional features of this design are a 175°C junction operating temperature, fast switching speed and improved repetitive avalanche rating. These features combine to make this design an extremely efficient and reliable device for use in Automotive applications and a wide variety of other applications.



	ПЕЛГЕІ	Power MOSFET
V _{DSS}		55V
R _{DS(on)} typ.		$6.5 m\Omega$
max.		$8.0 { m m}\Omega$
D (Silicon Limited)		86A®
D (Package Limited)		75A



G	D	S
Gate	Drain	Source

Boos part number	Dookogo Typo	Standard Pack		Orderable Part Number	
Base part number	Package Type	Form	Quantity		
AUIRL3705Z	TO-220	Tube	50	AUIRL3705Z	
AUIRL3705ZL	TO-262	Tube	50	AUIRL3705ZL	
ALUDI 270570	D ² -Pak	Tube	50	AUIRL3705ZS	
AUIRL3705ZS	D -Pak	Tape and Reel Left	800	AUIRL3705ZSTRL	

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 otherwise specified.

Symbol	Parameter	Max.	Units
I _D @ T _C = 25°C	Continuous Drain Current, V _{GS} @ 10V (Silicon Limited)	86®	
I _D @ T _C = 100°C	Continuous Drain Current, V _{GS} @ 10V (Silicon Limited)	61	
I _D @ T _C = 25°C	Continuous Drain Current, V _{GS} @ 10V (Package Limited)	75	A
I _{DM}	Pulsed Drain Current ①	340	
P _D @T _C = 25°C	Maximum Power Dissipation	130	W
	Linear Derating Factor	0.88	W/°C
V_{GS}	Gate-to-Source Voltage	± 16	V
E _{AS}	Single Pulse Avalanche Energy (Thermally Limited) ②	120	
E _{AS} (tested)	Single Pulse Avalanche Energy Tested Value ®	180	- mJ
I _{AR}	Avalanche Current ①	See Fig.15,16, 12a, 12b	Α
E _{AR}	Repetitive Avalanche Energy ©		mJ
TJ	Operating Junction and	-55 to + 175	
T _{STG}	Storage Temperature Range		°C
	Soldering Temperature, for 10 seconds (1.6mm from case)	300	
	Mounting torque, 6-32 or M3 screw	10 lbf•in (1.1N•m)	

Thermal Resistance

Symbol	Parameter	Тур.	Max.	Units
$R_{ heta JC}$	Junction-to-Case®		1.14	
$R_{\theta CS}$	Case-to-Sink, Flat, Greased Surface ⑦	0.50		°C/W
$R_{\theta JA}$	Junction-to-Ambient ⑦		62	C/VV
$R_{\theta JA}$	Junction-to-Ambient (PCB Mount, steady state) ®		40	

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		0.055		V/°C	Reference to 25°C, I _D = 1mA
			6.5	8.0		V_{GS} = 10V, I_{D} = 52A ③
$R_{DS(on)}$	Static Drain-to-Source On-Resistance			11	mΩ	$V_{GS} = 5.0V, I_D = 43A$ ③
				12		VGS = 4.5V, ID = 30A ③
V _{GS(th)}	Gate Threshold Voltage	1.0		3.0	V	$V_{DS} = V_{GS}, I_{D} = 250 \mu A$
gfs	Forward Trans conductance	150			S	$V_{DS} = 25V, I_{D} = 52A$
	Drain to Source Leakage Current			20		$V_{DS} = 55V, V_{GS} = 0V$
I _{DSS}	Drain-to-Source Leakage Current			250	μA	$V_{DS} = 55V, V_{GS} = 0V, T_{J} = 125^{\circ}C$
GSS	Gate-to-Source Forward Leakage			200	A	V _{GS} = 16V
	Gate-to-Source Reverse Leakage			-200	1 M	V _{GS} = -16V

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

	2100ti 10ti 10ti 10ti 10ti 10ti 10ti 10ti	 Срос	,,,		
Q_g	Total Gate Charge	 40	60		I _D = 43A
Q_{gs}	Gate-to-Source Charge	 12		nC	$V_{DS} = 44V$
Q_{gd}	Gate-to-Drain Charge	 21			V _{GS} = 5.0V3
$t_{d(on)}$	Turn-On Delay Time	 17			$V_{DD} = 28V$
t _r	Rise Time	 240			$I_D = 43A$
$t_{d(off)}$	Turn-Off Delay Time	 26		ns	$R_G = 4.3\Omega$
t _f	Fall Time	 83			V _{GS} = 5.0V ③
L _D	Internal Drain Inductance	 4.5		nH	Between lead, 6mm (0.25in.)
Ls	Internal Source Inductance	 7.5		ПП	from package and center of die contact
C _{iss}	Input Capacitance	 2880			V _{GS} = 0V
Coss	Output Capacitance	 420			V _{DS} = 25V
C _{rss}	Reverse Transfer Capacitance	 220			f = 1.0MHz
C _{oss}	Output Capacitance	 1500		pF	$V_{GS} = 0V, V_{DS} = 1.0V f = 1.0MHz$
C _{oss}	Output Capacitance	 330			$V_{GS} = 0V, V_{DS} = 44V f = 1.0MHz$
Coss eff.	Effective Output Capacitance	 510			$V_{GS} = 0V, V_{DS} = 0V \text{ to } 44V $

Diode Characteristics

	Parameter	Min.	Тур.	Max.	Units	Conditions
I _S	Continuous Source Current (Body Diode)			75		MOSFET symbol showing the
I _{SM}	Pulsed Source Current (Body Diode) ①			340		integral reverse p-n junction diode.
V_{SD}	Diode Forward Voltage			1.3	V	$T_J = 25^{\circ}C, I_S = 52A, V_{GS} = 0V$ ③
t _{rr}	Reverse Recovery Time		16	24	ns	$T_J = 25^{\circ}C$, $I_F = 43A$, $V_{DD} = 28V$
Q_{rr}	Reverse Recovery Charge		7.4	11	nC	di/dt = 100A/µs ③
t _{on}	Forward Turn-On Time	Intrinsi	c turn-c	on time	is neglig	gible (turn-on is dominated by L _S +L _D)

Notes:

- ① Repetitive rating; pulse width limited by max. junction temperature. (See fig.11)
- ② Limited by T_{Jmax} , starting T_J = 25°C, L = 0.09mH, R_G = 25 Ω , I_{AS} = 52A, V_{GS} =10V. Part not recommended for use above this value.
- \oplus C_{oss} eff. is a fixed capacitance that gives the same charging time as C_{oss} while V_{DS} is rising from 0 to 80% V_{DSS}.
- © Limited by T_{Jmax}, see Fig.12a, 12b, 15, 16 for typical repetitive avalanche performance.
- © This value determined from sample failure population 100% tested to this value in production.
- This is only applied to TO-220AB package.
- This is applied to D² Pak, When mounted on 1" square PCB (FR-4 or G-10 Material). For recommended footprint and soldering techniques refer to application note #AN-994
- 9 R_{θ} is measured at T_{J} of approximately 90°C
- © Calculated continuous current based on maximum allowable junction temperature. Bond wire current limit is 75A. Note that current limitations arising from heating of the device leads may occur with some lead mounting arrangements.



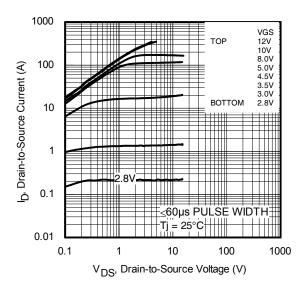


Fig. 1 Typical Output Characteristics

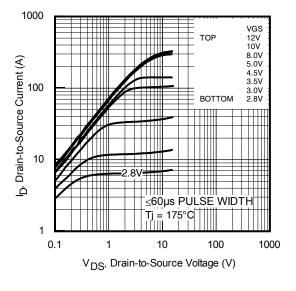


Fig. 2 Typical Output Characteristics

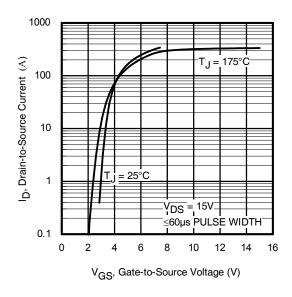


Fig. 3 Typical Transfer Characteristics

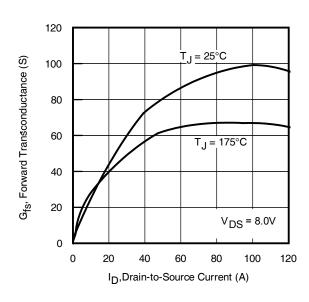


Fig. 4 Typical Forward Transconductance vs. Drain Current



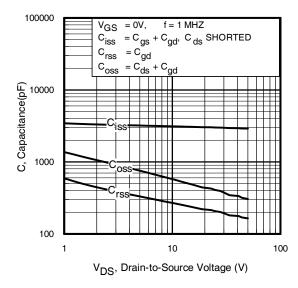


Fig 5. Typical Capacitance vs. Drain-to-Source Voltage

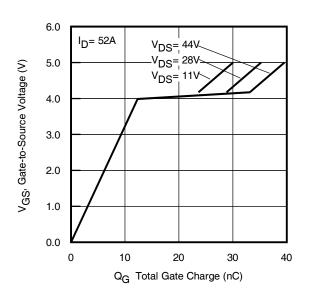


Fig 6. Typical Gate Charge vs. Gate-to-Source Voltage

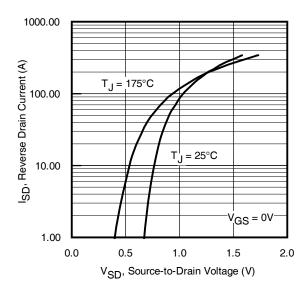


Fig. 7 Typical Source-to-Drain Diode Forward Voltage

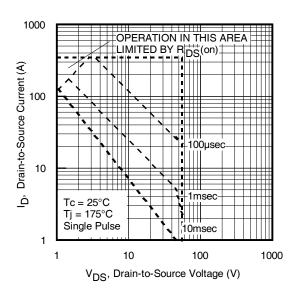


Fig 8. Maximum Safe Operating Area



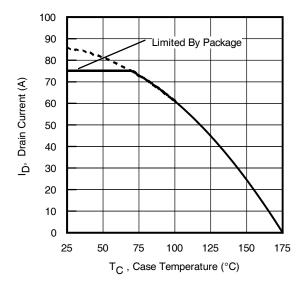


Fig 9. Maximum Drain Current vs. Case Temperature

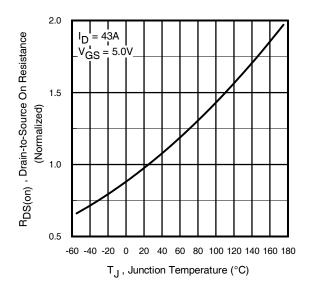


Fig 10. Normalized On-Resistance vs. Temperature

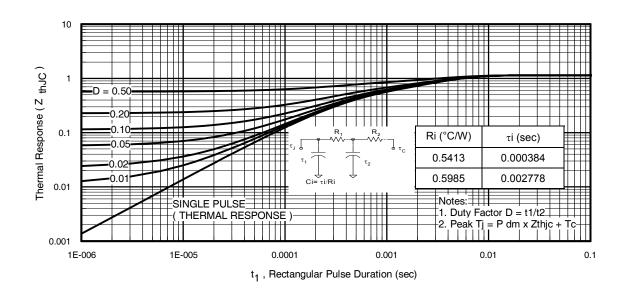


Fig 11. Maximum Effective Transient Thermal Impedance, Junction-to-Case



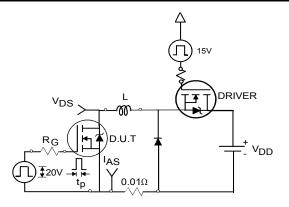


Fig 12a. Unclamped Inductive Test Circuit

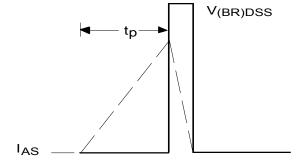


Fig 12b. Unclamped Inductive Waveforms

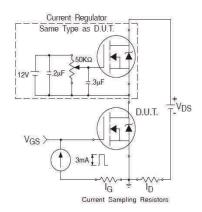


Fig 13a. Gate Charge Test Circuit

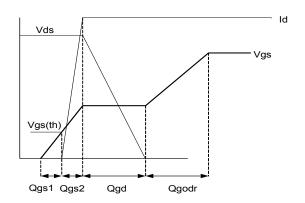


Fig 13b. Gate Charge Waveform

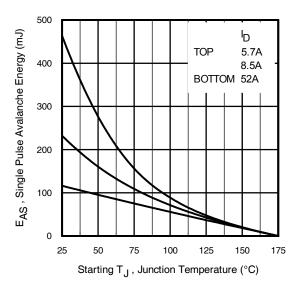


Fig 12c. Maximum Avalanche Energy vs. Drain Current

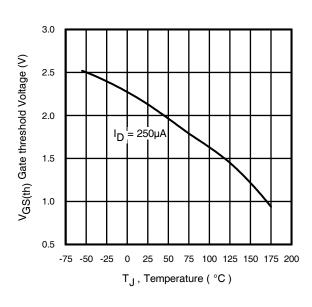


Fig 14. Threshold Voltage vs. Temperature



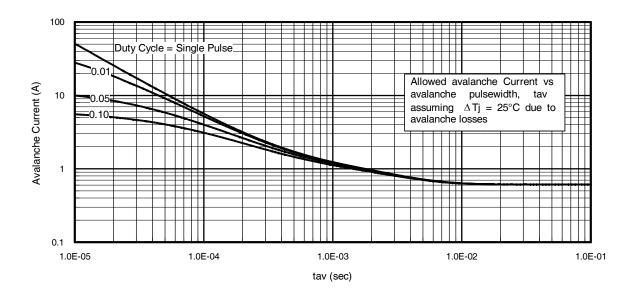
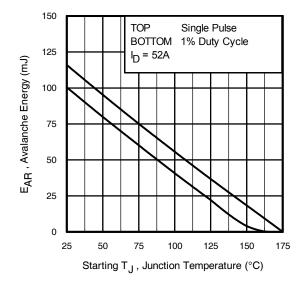


Fig 15. Avalanche Current vs. Pulse width



Notes on Repetitive Avalanche Curves, Figures 15, 16: (For further info, see AN-1005 at www.infineon.com)

- Avalanche failures assumption:
 Purely a thermal phenomenon and failure occurs at a temperature far in
 - excess of T_{jmax}. This is validated for every part type.
- 2. Safe operation in Avalanche is allowed as long as Tjmax is not exceeded.
- 3. Equation below based on circuit and waveforms shown in Figures 12a, 12b.
- 4. PD (ave) = Average power dissipation per single avalanche pulse.
- BV = Rated breakdown voltage (1.3 factor accounts for voltage increase during avalanche).
- 6. lav = Allowable avalanche current.
- ΔT = Allowable rise in junction temperature, not to exceed T_{jmax} (assumed as 25°C in Figure 14, 15).

tav = Average time in avalanche.

D = Duty cycle in avalanche = $t_{av} \cdot f$

ZthJC(D, tav) = Transient thermal resistance, see Figures 13)

$$\begin{split} P_{D \text{ (ave)}} &= 1/2 \text{ (} 1.3 \cdot \text{BV} \cdot \text{I}_{av} \text{)} = \Delta \text{T} / \text{ Z}_{thJC} \\ \\ I_{av} &= 2\Delta \text{T} / \text{ [} 1.3 \cdot \text{BV} \cdot \text{Z}_{th} \text{]} \\ \\ E_{AS \text{ (AR)}} &= P_{D \text{ (ave)}} \cdot t_{av} \end{split}$$

Fig 16. Maximum Avalanche Energy vs. Temperature



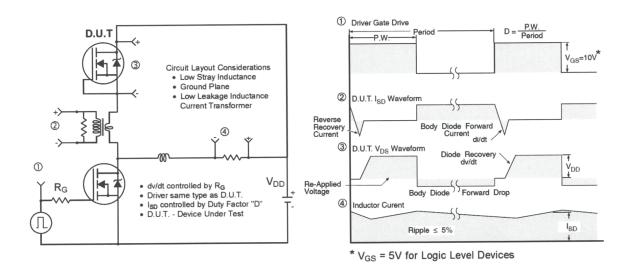


Fig 17. Peak Diode Recovery dv/dt Test Circuit for N-Channel HEXFET® Power MOSFETs

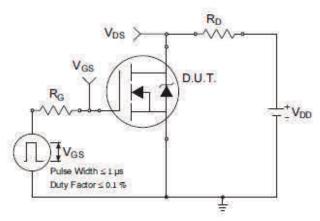


Fig 18a. Switching Time Test Circuit

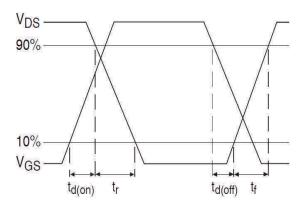
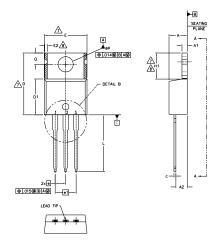
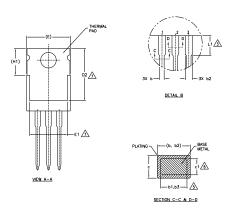


Fig 18b. Switching Time Waveforms



TO-220AB Package Outline (Dimensions are shown in millimeters (inches))





NOTES:

- DIMENSIONING AND TOLERANCING AS PER ASME Y14.5 M- 1994.
- DIMENSIONS ARE SHOWN IN INCHES [MILLIMETERS].
- LEAD DIMENSION AND FINISH UNCONTROLLED IN L1
- DIMENSION D, D1 & E DO NOT INCLUDE MOLD FLASH. MOLD FLASH SHALL NOT EXCEED .005" (0.127) PER SIDE. THESE DIMENSIONS ARE MEASURED AT THE OUTERMOST EXTREMES OF THE PLASTIC BODY.
- DIMENSION 61, 63 & c1 APPLY TO BASE METAL ONLY.
- CONTROLLING DIMENSION: INCHES.
- THERMAL PAD CONTOUR OPTIONAL WITHIN DIMENSIONS E,H1,D2 & E1
- DIMENSION E2 X H1 DEFINE A ZONE WHERE STAMPING AND SINGULATION IRREGULARITIES ARE ALLOWED.
- OUTLINE CONFORMS TO JEDEC TO-220, EXCEPT A2 (max.) AND D2 (min.) WHERE DIMENSIONS ARE DERIVED FROM THE ACTUAL PACKAGE OUTLINE.

		DIMEN	SIONS		
SYMBOL	MILLIM	ETERS	TERS INCI		
	MIN.	MAX.	MIN.	MAX.	NOTES
Α	3.56	4.83	.140	.190	
A1	1,14	1.40	.045	.055	
A2	2.03	2.92	.080	.115	
b	0.38	1.01	.015	.040	
b1	0.38	0.97	.015	.038	5
b2	1,14	1.78	.045	.070	
b3	1,14	1.73	.045	.068	5
С	0.36	0.61	.014	.024	
c1	0.36	0.56	.014	.022	5
D	14.22	16.51	.560	.650	4
D1	8.38	9.02	.330	.355	
D2	11.68	12.88	.460	.507	7
Ε	9.65	10.67	.380	.420	4,7
E1	6.86	8.89	.270	.350	7
E2	-	0.76	_	.030	8
е	2.54 BSC		.100	BSC	
e1	5.08 BSC		.200	BSC	
Н1	5.84	6.86	.230	.270	7,8
L	12.70	14.73	.500	.580	
L1	3.56	4.06	.140	.160	3
øΡ	3.54	4.08	.139	.161	
Q	2.54	3.42	.100	.135	
	A1 A2 b b1 b2 b3 c c1 D D1 D2 E E1 E2 e e1 H1 L	MILLIM MIN. A 3.56 A1 1.14 A2 2.03 b 0.38 b1 0.38 b2 1.14 b3 1.14 c 0.36 c1 0.36 c1 0.36 D 14.22 D1 8.38 D2 11.68 E 9.65 E1 6.86 E2 - e 2.54 e1 5.84 L 12.70 L1 3.56 ØP 3.54	SYMBOL MILLIMETERS MIN. MAX. A 3.56 4.83 A1 1.14 1.40 A2 2.03 2.92 b 0.38 1.01 b1 0.38 0.97 b2 1.14 1.78 b3 1.14 1.73 c 0.36 0.61 c1 0.36 0.56 D 14.22 16.51 D1 8.38 9.02 D2 11.68 12.88 E 9.65 10.67 E1 6.86 8.89 E2 - 0.76 e 2.54 BSC e1 5.08 BSC t1 3.54 4.06 øP 3.54 4.08	MIN. MAX. MIN.	SYMBOL MILLIMETERS INCHES MIN. MAX. MIN. MAX. A 3.56 4.83 .140 .190 A1 1.14 1.40 .045 .055 A2 2.03 2.92 .080 .115 b 0.38 1.01 .015 .040 b1 0.38 0.97 .015 .038 b2 1.14 1.78 .045 .070 b3 1.14 1.73 .045 .068 c 0.36 0.61 .014 .024 c1 0.36 0.56 .014 .022 D 14.22 16.51 .560 .650 D1 8.38 9.02 .330 .355 D2 11.68 12.88 .460 .507 E 9.65 10.67 .380 .420 E1 6.86 8.89 .270 .350 E2 - 0.7

LEAD ASSIGNMENTS

HEXFET

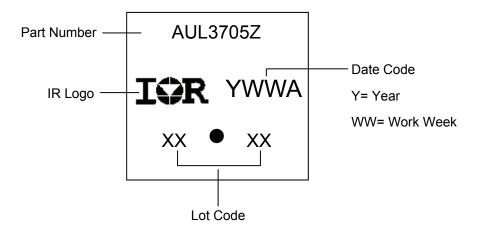
- 1.- GATE 2.- DRAIN 3.- SOURCE

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

DIODES

- 1.- ANODE
- 2.- CATHODE 3.- ANODE

TO-220AB Part Marking Information

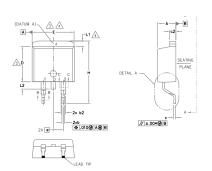


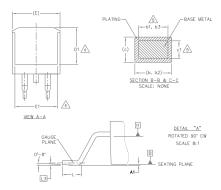
Note: For the most current drawing please refer to IR website at http://www.irf.com/package/

2015-10-29



D²Pak (TO-263AB) Package Outline (Dimensions are shown in millimeters (inches))





- 1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994
- 2. DIMENSIONS ARE SHOWN IN MILLIMETERS [INCHES].

AT THE OUTMOST EXTREMES OF THE PLASTIC BODY AT DATUM H.

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

5. DIMENSION 61, 63 AND c1 APPLY TO BASE METAL ONLY.

- 6. DATUM A & B TO BE DETERMINED AT DATUM PLANE H.
- 7. CONTROLLING DIMENSION: INCH.
- 8. OUTLINE CONFORMS TO JEDEC OUTLINE TO-263AB.

S	DIMENSIONS					
M B	MILLIM	ETERS	INC	INCHES		
O L	MIN.	MAX.	MIN.	MAX.	0 T E S	
А	4.06	4.83	.160	.190		
A1	0.00	0.254	.000	.010		
Ь	0.51	0.99	.020	.039		
ь1	0.51	0.89	.020	.035	5	
b2	1.14	1.78	.045	.070		
b3	1.14	1.73	.045	.068	5	
С	0.38	0.74	.015	.029		
с1	0.38	0.58	.015	.023	5	
c2	1.14	1.65	.045	.065		
D	8.38	9.65	.330	.380	3	
D1	6.86	_	.270	_	4	
E	9.65	10.67	.380	.420	3,4	
E1	6.22	_	.245	_	4	
е	2.54	BSC	.100	.100 BSC		
Н	14.61	15.88	.575	.625		
L	1.78	2.79	.070	.110		
L1	_	1.68	_	.066	4	
L2	_	1.78	_	.070		
L3	0.25	BSC	.010	BSC		

LEAD ASSIGNMENTS

DIODES

1.— ANODE (TWO DIE) / OPEN (ONE DIE) 2, 4.— CATHODE 3.— ANODE

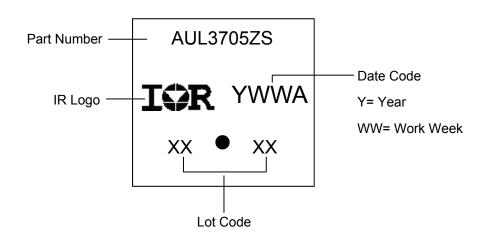
HEXFET

IGBTs, CoPACK

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

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

D²Pak (TO-263AB) Part Marking Information

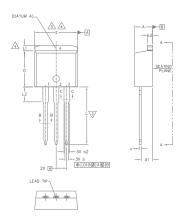


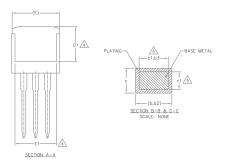
Note: For the most current drawing please refer to IR website at http://www.irf.com/package/

10 2015-10-29



TO-262 Package Outline (Dimensions are shown in millimeters (inches)





- 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 [.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 61 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.

LEAD ASSIGNMENTS

IGBTs, CoPACK

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

HEXFET DIODES

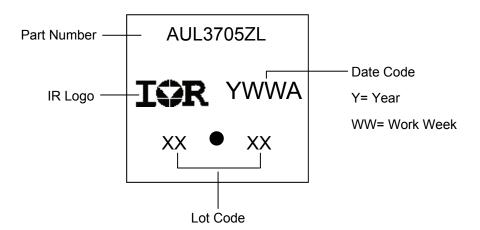
1.- ANODE (TWO DIE) / OPEN (ONE DIE) 1.- GATE 2, 4.- CATHODE 3.- ANODE

2.- DRAIN 3.- SOURCE

4.- DRAIN

S	DIMENSIONS					
M		N				
B	MILLIM	MILLIMETERS		HES	O T E S	
L	MIN.	MAX.	MIN.	MAX.	S	
А	4.06	4.83	.160	.190		
A1	2.03	3.02	.080	.119		
b	0.51	0.99	.020	.039		
b1	0.51	0.89	.020	.035	5	
b2	1.14	1.78	.045	.070		
ь3	1.14	1.73	.045	.068	5	
С	0.38	0.74	.015	.029		
c1	0.38	0.58	.015	.023	5	
c2	1.14	1.65	.045	.065		
D	8.38	9.65	.330	.380	3	
D1	6.86	-	.270	_	4	
E	9.65	10.67	.380	.420	3,4	
E1	6.22	_	.245		4	
е	2.54	BSC	.100	BSC		
L	13.46	14.10	.530	.555		
L1	_	1.65	_	.065	4	
L2	3.56	3.71	.140	.146		

TO-262 Part Marking Information

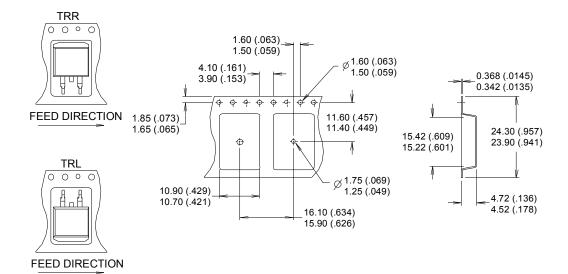


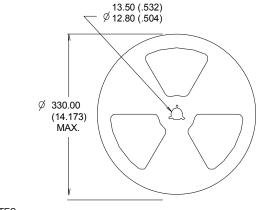
Note: For the most current drawing please refer to IR website at http://www.irf.com/package/

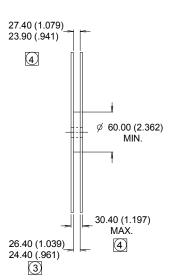
2015-10-29 11



D²Pak (TO-263AB) Tape & Reel Information (Dimensions are shown in millimeters (inches))







- NOTES:
- 1. COMFORMS TO EIA-418.
- CONTROLLING DIMENSION: MILLIMETER.
- 3 DIMENSION MEASURED @ HUB.
- INCLUDES FLANGE DISTORTION @ OUTER EDGE.

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.	
Moisture Sensitivity Level		TO-220 Pak	N/A
		D ² -Pak	MSL1
		TO-262	
ESD	Machine Model	Class M4 (+/- 425V) [†]	
		AEC-Q101-002	
	Human Body Model	Class H1C (+/- 2000V) [†]	
		AEC-Q101-001	
	Charged Device Model	Class C5 (+/- 1125V) [†]	
		AEC-Q101-005	
RoHS Compliant		Yes	

Revision History

Date	Comments		
10/29/2015	Updated datasheet with corporate template		
10/29/2015	Corrected ordering table on page 1.		

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.