

$V_{GS} = 10V$  5.5mohm  
 $R_{DS(ON)}$  (at  $V_{GS}=6V$ ) 6.5mohm  
 100% EAS Tested  
 100% VDS Tested

**General Description**

Split gate trench MOSFET technology  
 Excellent package for heat dissipation  
 High density cell design for low  $R_{DS(ON)}$   
 Moisture Sensitivity Level 1  
 Epoxy Meets UL 94 V-0 Flammability Rating  
 Halogen Free

**Applications**

Power switching application  
 Uninterruptible power supply  
 DC-DC converter

**Absolute Maximum Ratings (T**

	$T_A=25$		15	
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Drain Current

$I_D$

A

Avalanche energy<sup>B</sup>

Junction and Storage Temperature Range	$T_J, T_{STG}$	-55 +150	
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**Thermal resistance**

Parameter		Symbol	Typ	Max	Units
Thermal Resistance Junction-to-Ambient <sup>D</sup>	Steady-State	$R_{JA}$	35	45	/W
Thermal Resistance Junction-to-Case	Steady-State	$R_{JC}$	0.55	0.7	

**Ordering Information (Example)**

PREFERRED P/N	PACKING CODE	Marking	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
YJB130G10B	F2	YJB130G10B	800	/	8000	13" reel



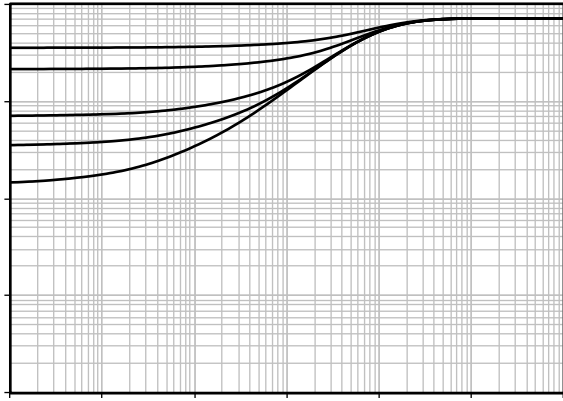
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## Electrical Characteristics ( $T_J=25$ unless otherwise noted)

Parameter	Symbol	Conditions	Min	Typ	Max	Units
<b>Static Parameter</b>						
Drain-Source Breakdown Voltage	$BV_{DSS}$	$V_{GS}=0V, I_D=250\mu A$	100	-	-	V
Zero Gate Voltage Drain Current	$I_{DSS}$	$V_{DS}=100V, V_{GS}$				











# YJB130G10B

## TO-263-HY Package information

TOP VIEW

SIDE VIEW

BOTTOM VIEW

SYMBOL	DIMENSIONS					
	INCHES			Millimeter		
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.
A1	0.000	---	0.010	0.000	---	0.250
A2	0.174	0.180	0.186	4.430	4.580	4.730
b	0.028	0.032	0.036	0.720	0.820	0.920
b2	0.046	0.050	0.054	1.180	1.280	1.380
c	0.013	0.015	0.018	0.330	0.390	0.450
c2	0.048	0.050	0.053	1.220	1.280	1.340
D1						
D2	0.303	0.315	0.327	7.700		8.300
E	0.571	0.591	0.610	14.500		15.500
E1	0.337	0.341	0.348	8.550		8.850
E2						
e	0.200BSC			5.080BSC		
L	0.070		0.110	1.790		2.790
L1						
L2	0.030		0.070	0.770		1.770
L3	0.197REF					
	0°		8°	0°		8°

### NOTE:

- 1.PACKAGE BODY SIZES EXCLUDE MOLD FLASH AND GATE BURRS.
- 2.TOLERANCE 0.1mm UNLESS OTHERWISE SPECIFIED.
- 3.THE PAD LAYOUT IS FOR REFERENCE PURPOSES ONLY.



# YJB130G10B

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## Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controlm

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