

# **MAXBO**

# **30VNCharnelMOHET**



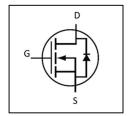


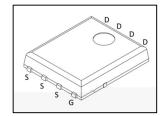
#### **Features**



<b>Product Summary</b>					
	L				

### **Applications**





#### **Odering Information**

PartNumber	Maling	Padage	Padaging
			L R RR



#### Absolute Maximum Ratings

	Rameter					Synbol	Iinit	Unit
Lct	R	L R						
L R	R	L R						
đ	Lct	R	Æ	රෑ රෑR				
ct	Lα	R	Æ	රෑ රෑR				
ct	Lđ	R	Æ	රෑ රෑR				
ct	L ct	R	Æ	ct ch				
C R	Lct R							
C R	đ đL đ					С		I
<b>C</b> trl	RL CT L							1

Ct R R L R L R R R L R

#### Thermal Characteristics

		<b>Paaneter</b>	
ct	Odt	R L R CTL R	
ct	L R R	L R CTL R	

#### Static Hectrical Characteristics (6)

Parameter Symbol Max U

LCT R RL L R



Dynamic Reduical Characteristics (6)

Parameter	Symbol	Test Conditions	Min	Ђр	Max	Urit
L L L R	т					
L LR L R						
LR RLR						
LR LCT L R						
RL CtR						
chr ctr						
π RL CtR	π					
l Ctr	т					
LLCL R	đ					
LL CL R		Т				
RRRL TRLLCLR						

#### Diode Characteristics (6)

Paaneter	Symbol	Test Conditions	Min	Ђр	Max	Urit
L LR						
rrrr r ctr						

RRRR R L R Y



#### Typical Hectrical Characteristics

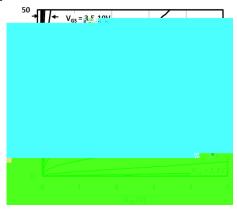


Fig 1 Output drawaderistics

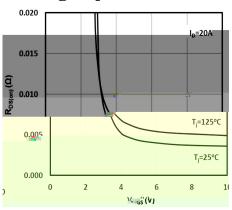


Fig3Onresistancevs gatevoltage

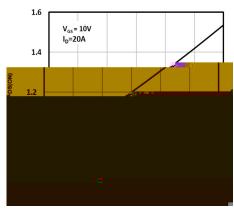


Fig5Nomalizeon resistance vs. temperature

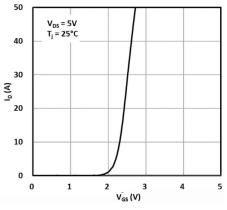


Fig 2 Transfer characteristics



Fig4Onresistance vs draincurent

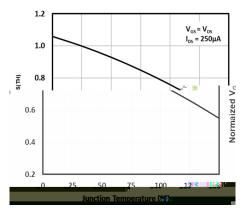


Fig6Nomalizedgetethesholdvoltage vs. temperature



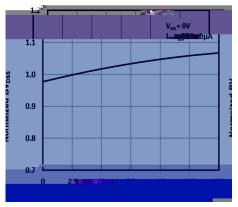


Fig7Nomalizedain to source breakdown voltage

#### vs temperature

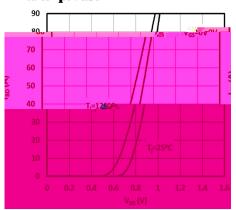


Fig9Source to drain diode forward dra acteristics

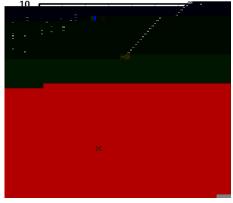


Fig 11 Cate to source voltage vs. gate drarge

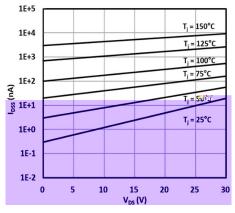


Fig8raintosourcelealageoments voltage

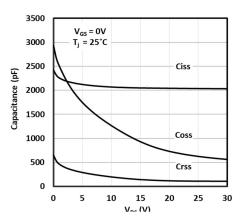


Fig 10Capacitance vs drain to source voltage

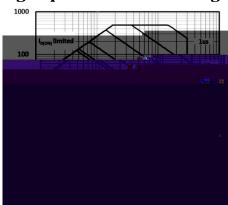
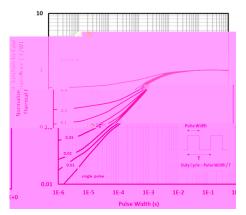


Fig 12Safe operating area









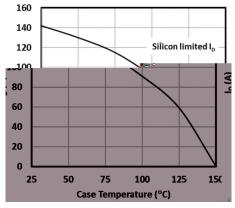


Fig 14 Maximum dain current vs case temperature

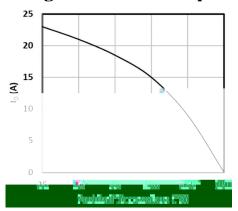
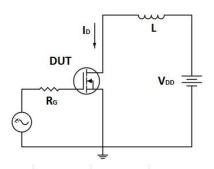
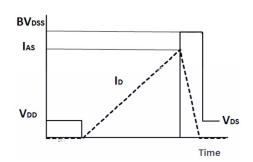


Fig 15Maximumdaincunent vs ambient temperature

## **JMHZOSND**

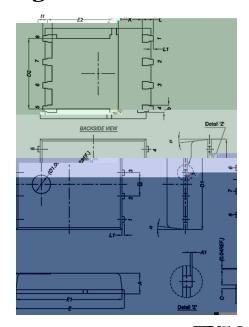






Undampedindutive switching test circuit & waveforms

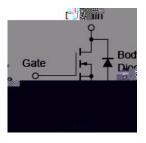
#### Package Daving



	-50	MILLIMETERS				
	Marin.	MIN.	NOM.	MAX.		
	A	0.90	1.00	1.10		
1	A1	0	-	0.05		
	b	0.33	0.41	0.51		
ļ.,,	С	0.20	0.72	r. 2 e4		
	D1	4.80	4.90	5.00		
	D2	3.61	3.81	3.96		
	Ε	5.90	6.00	6.10		
	E1	5.70	5.75	5.80		
	E2	3.38	3.58	3.78		
	С		1.27 BSC			
	Н	0.41	0.51	0.61		
	K	1.10	-	-		
	L	0.51	0.61	0.71		
	LT	0.06	0.13	0.20		
	G.	0°	-	12°		

**DN56** 

#### **Equivalent Grouit**







#### Revision listary of JMMITOSND specification

Version	Chargeliens	Hijective Date	
	Chaft RRLR	L	
	rr ct lct r Cllrctc1r		
	LRC R LCt R	R	
	lr llrétét r rétorr r rlr		
	LR LRR Ct Ct		



#### **Notice**

Suitability for use – R **d**t LR RCTRL CTRLLR OR CLORT ROLL COLL LOTLT LR OTR R CTR CTL CLC TRRILCTR LT CT TL L RL LOORR R R CTR L CT RL R R CT R L RRR d₹LR oltocht⊤ct ct∟ RT R CR ct rctr L L R R L CLC L RRTR CLC L rctl r r

Applications — CLC LLRR CORRRCT LTRR LRTC LCR R

R CELR RRLCE LL L CLCE CLOR CLORT RRCCE RCE

TRRCE COCCLECT

**Limiting values**— RLORR RCICACT LRLLRRLR LLR RRCIR CICACT LRLR RLC RCICACT LRLRCICACT RCITACT RCITACT

Esport countrol — et RIRIR et R. et