

BRCS023N10SHTL

Rev.C Apr.-2025

DATA SHEET

TOLL-8L / x N ?ú 3 « | •'ož

N-Channel MOSFET in a TOLL-8L Plastic Package.

$V_{DS}(V)=100V$ $I_D=280A$

$R_{DS(ON)}@10V$ "2.3m Ÿ(Typ.2.1mR)

—)í D } ÄHF Product.

W Ä ~ k Ý ä " J ~ © Ī k BMS ~ k ù ° V ñož

Power Tool appliances,High power inverter system,BMS appliances,Light electric vehicles.

PIN1 Ö G PIN2 Ä3 Ä4 Ä5 Ä6 Ä7 Ä8 ÖS PIN9 ÖD

D TT4 1 Tm 0 g .0004 Tc <52c009ed0856911>

@ f Parameter	... Z Symbol	f › Rating	% y Unit
Drain-Source Voltage	V		

Electrical Characteristics(Ta=25 ;)

@ f Parameter	... Z Symbol	y j Ú ^ Test Conditions	Â 4 › Min	Á ° › Typ	Â Ý › Max	% y Unit
Turn-On Delay Time	t _{d(on)}	V _{GS} =10V V _{DS} =50V R _L =2.5 j R _G =4.5 j I _{DS} =20A		32		ns
Turn-On Rise Time	t _r			40		
Turn-Off Delay Time	t _{d(off)}			80		
Turn-Off Fall Time	t _f			35		
Reverse Recovery Time	t _{rr}	I _{DS} = 20 A, V _{GS} = 0 V		80		nS
Reverse Recovery Charge	Q _{rr}	dI _{SD} /dt = 100 A/ - s		195		nC

Ô ? d • Ž ¢ / Electrical Characteristic Curve

Ô ? d • Ž ¢ / Electrical Characteristic Curve

Ø □ =) φ / Package Dimensions

9_SHU	*OSKTYOUTY /T 3OR			9_SHU	*OSKTYOUTY /T 3OR			ROSKZKXY
	3/4	453	3'>		3/4	453	3'>	
'				H				
l				H				
*				H				
+				H				
K	(9)			H				
.				H				
.				2				
.				2				
.				2				
1				2				
1				+				
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, M y f / Marking Instructions

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Note y

BR y Company Code

023N10SH y Product Type Code

****: Lot No. Code, code change with Lot No

