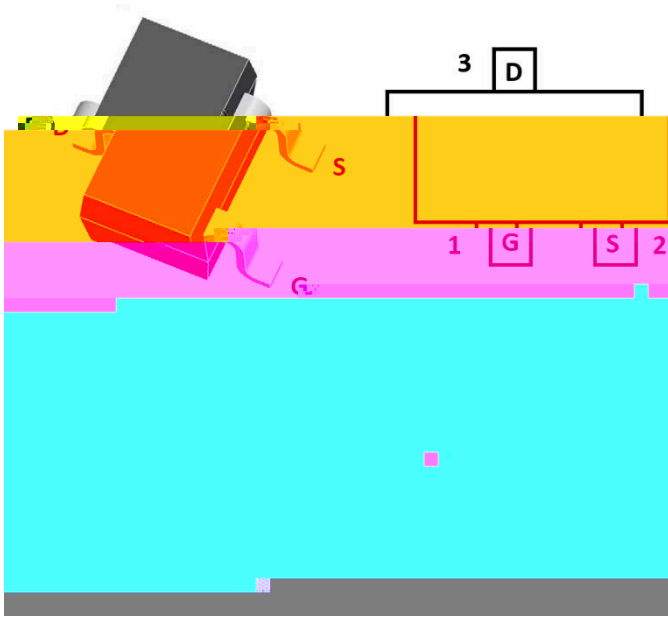


N-Channel Enhancement Mode Field Effect Transistor



Product Summary

" 9₆ 9 \$
 " ' \$
 " 5₆ 2₁ DW 9 9 Ø PRKP
 " 5₆ 2₁ DW 9 9 Ø PRKP

General Description

" 7 UHQFK 3RZHUP #D Q 2/6 \$(& 94 0† UPXW 0† UHQFK

Applications

" 3:0 DSSOLFDWLRQ
 " /RDG VZLWFK

Absolute Maximum Ratings

Parameter	Symbol	Limit	Unit
'UDLQ VRXUFH 9ROWDJH	9 ₆		9
*DWH VRXUFH 9ROWDJH	* ₆	9 "	9
'UDLQ & XUHQW	7 _s - # 6WHDG\ 6WDWH	;	\$
	7 _s - # 6WHDG\ 6WDWH		
3XOVHG 'UDLQ & XUHQW	' ₀		\$

	3\$&.,1* & 2' (0DUNLQJ	0,1,080 3\$&.\$*(SF	,11(5 %2; 48\$17,7< S	287(5 & \$572 48\$17,7< S	'(/,9(5< 02' (
<- / :4)	76				3 UHHO

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vElectrical Characteristics 7 XQOHVV RWKHUZZLVH QRWHG

Parameter	Symbol	Conditions	Min	Typ	Max	Units
Static Parameter						
'UDLQ 6RXUFH %UHDNGRZQ 9RQW DJH		·6 9% 9 \$	9			9
=HUR *DWH 9ROWDJH 'UDLQ & XUUHQW		·6 9 9 9	9			\$
*DWH %RG\ /HDNDJH & XUUHQW		·6, " 9 ·9 9	9		"	Q\$
*DWH 7KUHVKROG 9ROWDJH		·9 9 6 ' , \$	9			9
6WDWLF 'UDLQ 6RXUFH 2Q 5HYHUVH WDWLF		9·6 9· , \$				P
		9·6 9· , \$				
'LRGH)RUZDUG 9ROWDJH		9 6 \$ 9 9				9
Dynamic Parameters						
,QSXW & DSDFLWDQFH	LVV	&				S)
2XWSXW & DSDFLWDQFH	RVV	9·6 & 9 9 6 9 0 +=				
5HYHUVH 7UDQVIHU & DSDFLWDQFH		&				
Switching Parameters						
7RWDO *DWH & KDUJH	J	4				Q&
*DWH 6RXUFH & KDUJH	JV	4·6 9 9 9 ' , \$				
*DWH 'UDLQ & KDUJH	JG	4				
5HYHUVH 5HFRYHU\ & KDUJH	UU	4				Q&
5HYHUVH 5HFRYHU\ 7LPH	UU	·6' \$ GL GW \$ XV W				QV
7XUQ RQ 'HOD\ 7LPH	' RQ	W				QV
7XUQ RQ 5LVH 7LPH	U	W 9·6 9 9 9 ' , \$				
7XUQ RII 'HOD\ 7LPH	' RII	W 5J				
7XUQ RII)DOO 7LPH	I	W				

\$ 5SHWLWLYH UDWLQJ SXOVH ZLGHUWVWLVH QRWHG E\ PD\ MXQFWLRQ WHPS
% 'HYLFH PRXQWHG RQ)5 3&% PP [PP [PP

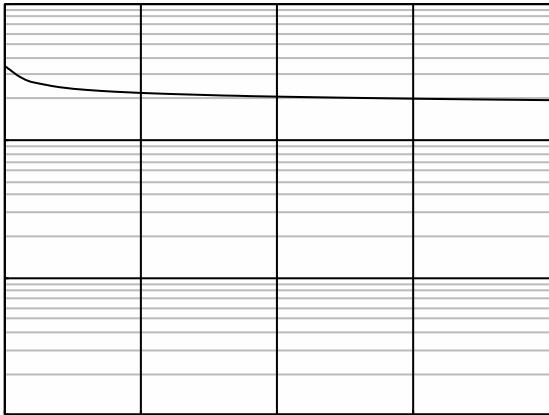
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Typical Performance Characteristics

)SXXU & KDUFWHULVWLFV

JXUH

7UDQVIHU & KDUDFWHU



)LJXUH & DSDFLWDQFH & KDUDFWHULVWLFV

)LJXUH *DWH & K

)LJXUH 2Q 5HVLVWDFRFXVFDWHOWDJH

)LJXUHJHGZQPDHVLVWWDQFH

YJL2102WQ

)LJXUH 06 'UDLQ &XUUHQW

)RUZDUG FKDFWDEJWUWHYNWVH GL

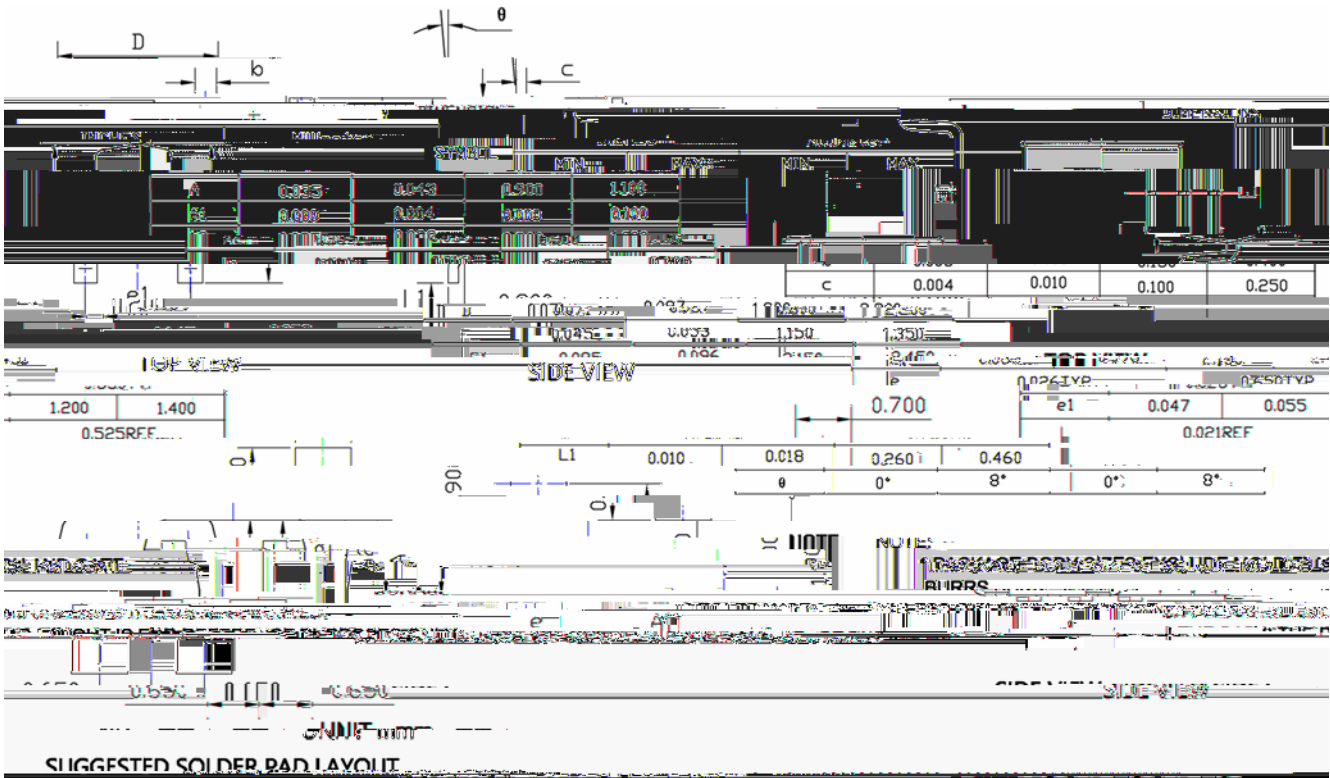
)LJXUH 1RUPDOZQHYGRDUWDDJNGR

)LJXUH 1RUPDOLJHG 7KUHVK

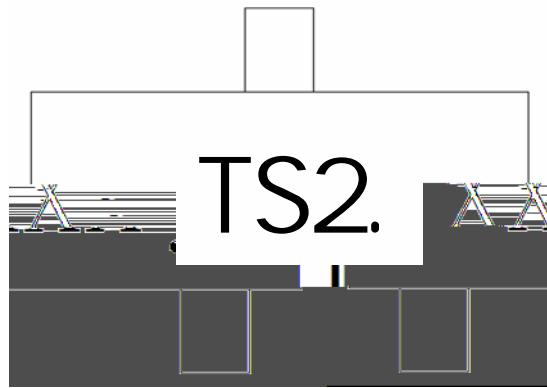
)LJXUH 0D[LPXP 7UDQVL

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vSOT-323 Package Information



vMarking Information



1RWH
 \$00 PDUNLQJ LV DW PLGGOH RI WKH SURGXFW ERG\
 \$00 PDUNLQJ LV LQ ODVHU PDUNLQJ
 TS2 LV ODUNLQJ &RGH
 %RG\ FRORU %ODFN

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Disclaimer

7KH LQIRUPDWLRQ SURFHDQHG LQ IRWLVH DIIHJH QKH BQOMLH (OHFWURQLF 7HFKQRO
ULJKW WR PDNH FKDLQHMR DLWKR XSKHRSWJREXERQ SILWSODHG KHUHLQ WRGHPVLU RYR
RWKHUZZLVH

7KH SURGXFW OLVWJHGH HWRIHQ LXV BSHZLWHKF DXVRQR RVLHQ HRQRXWGH HQLBGLFDO OL
VDYLQJ OLIHVXVWDLQDQJMRH RUODLQHQH RQXIPMV ERKUHVSEQOLELQIRW\ RQWGPDUH
P VXFK LPSURSHU XVH RI VDOH

7KLV SXEOLFDFWLRQ SODSHUW DGHVLQURQV DXXLSRQLSHGHYRLR XDGRLWL RSDHO VQRWUPLW RX
KWV [SZ](#) \DQJMLHRRRFRQVXOW \RXHUHQHDOHWWR DQJMLRWDQHWKHU D