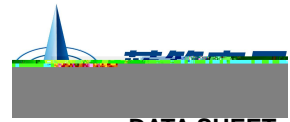


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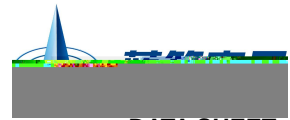
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DATA SHEET

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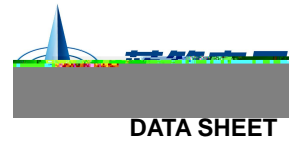
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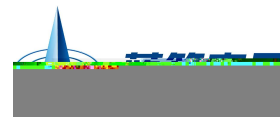
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Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	60	V
Drain Current	$I_D(T_C=25^\circ C)$	24.5	A
Drain Current - Pulsed	I_{DM}	95	A
Gate-Source Voltage	V_{GSS}	± 20	V
Single Pulsed Avalanche Energy	E_{AS}	70	mJ
Avalanche Current	I_{AS}	20	A
Power Dissipation	$P_D(T_C=25^\circ C)$	12.5	W
Operating and Storage Temperature Range	T_J, T_{stg}	-55 to 150	$^\circ C$
Junction-to-Ambient	$t \leq 10$	35	$^\circ C/W$
Junction-to-Ambient	Steady-State		
Junction-to-Case	Steady-State		
		10	

Parameter	Symbol	I / fi fl Test Conditions	Min	Typ	Max	Unit
Drain-Source Breakdown Voltage	BV_{DSS}					



/ Electrical Characteristics(Ta=25)

Parameter	Symbol	I / fi fl Test Conditions	t t " Min	Ž ž " Typ	t ! " Max	Unit
Turn-On Delay Time	t _{d(on)}	V _{GS} =10V V _{DS} =30V R _L =2.3 R _{GEN} =3		5		ns
Turn-On Rise Time	t _r			3		
Turn-Off Delay Time	t _{d(off)}			19		
Turn-Off Fall Time	t _f			3		

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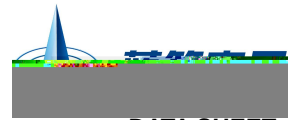
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/ Marking Instructions

" # \$

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() / Temperature Profile for IR Reflow Soldering(Pb-Free)

Note:

- 1 150 200 60 120sec; 1.Preheating:150~200 , Time:60~120sec.
- 2 255 5 5 0.5sec; 2.Peak Temp.:255 5 , Duration:5 0.5sec.
- 3 2 10 /sec. 3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

260 5