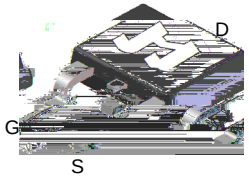
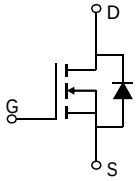
- Ultra-low $R_{DS(ON)}$
- Low Gate Charge
- 100% UIS Tested, 100% R_g Tested
- Pb-free Lead Plating
- Halogen-free and RoHS-compliant

V_{DS}	100	V
$V_{GS(th)_Typ}$	1.9	V
	70	A
	8.3	m
$R_{DS(ON)_Typ}$ (@ V_{GS} = 4.5V)	10.8	m

- Power Managerment in Telecom., Industrial Automation, CE
- Current Switching in DC/DC & AC/DC Sub-systems
- Motor Driving in Power Tool, E-vehicle, Robotics

TO-252-3L Top View

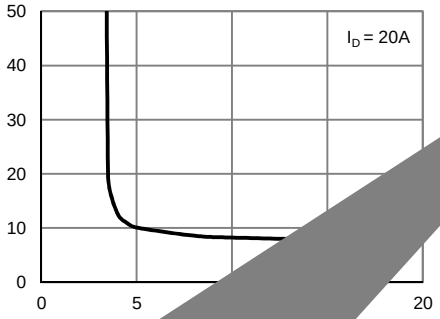


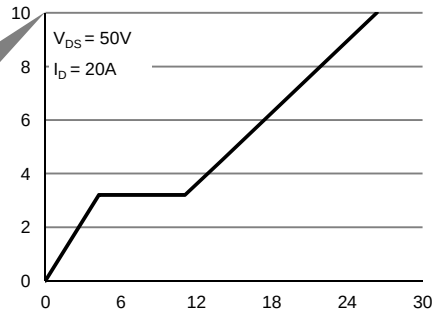


JMSL1010AK-13	TO-252-3L	3	SL1010A	1	-55 to 150	13-inch Reel	2500

(@ T_A = 25°C unless otherwise specified)

	V_{DS}		V





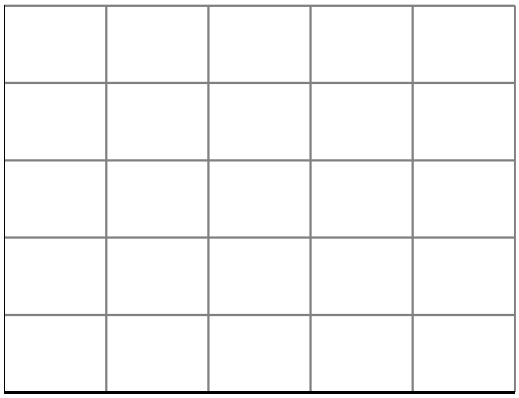
JieJie Microelectronics Co., Ltd.
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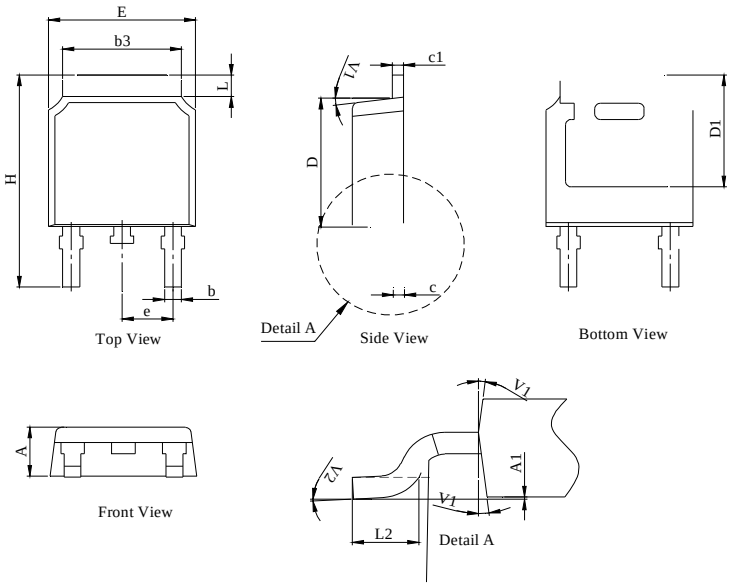
	$V_{(BR)DSS}$		100			V
		V_{DS} = 80V, V_{GS} = 0V			1.0	
		T_J 55°C			5.0	
V						
	I_{GSS}				±100	nA
Gate Threshold Voltage	$V_{GS(th)}$		1.2	1.9	2.5	V
				8.3	10.0	m
				10.8	13.5	m
	g_{FS}			57		S
	V_{SD}			0.7	1.0	V
	I_S				89	A
	C_{iss}			1535		pF
	C_{oss}			335		pF
	C_{rss}			8.2		pF
		30V, f = 1MHz		1.8		
				26		nC
				14		nC
				4.3		nC
				6.8		nC
				7.5		ns
				15.8		ns
				31		ns
				28		ns
				43		ns
				35		nC
		42		51		°C/W
		1.1		1.4		°C/W

actual continuous current depends on the thermal & electro-mechanical

[L = 100 H, V_{GS} = 10V, V_{DD} = 50V] while its value is limited by

ction test.




E
b3
L
H
b
e
Top View
c1
V1
D
c
Detail A
Side View
D1
Bottom View
A
Front View
V1
V2
A1
V1
L2
Detail A