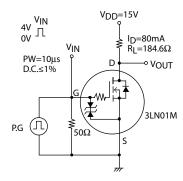
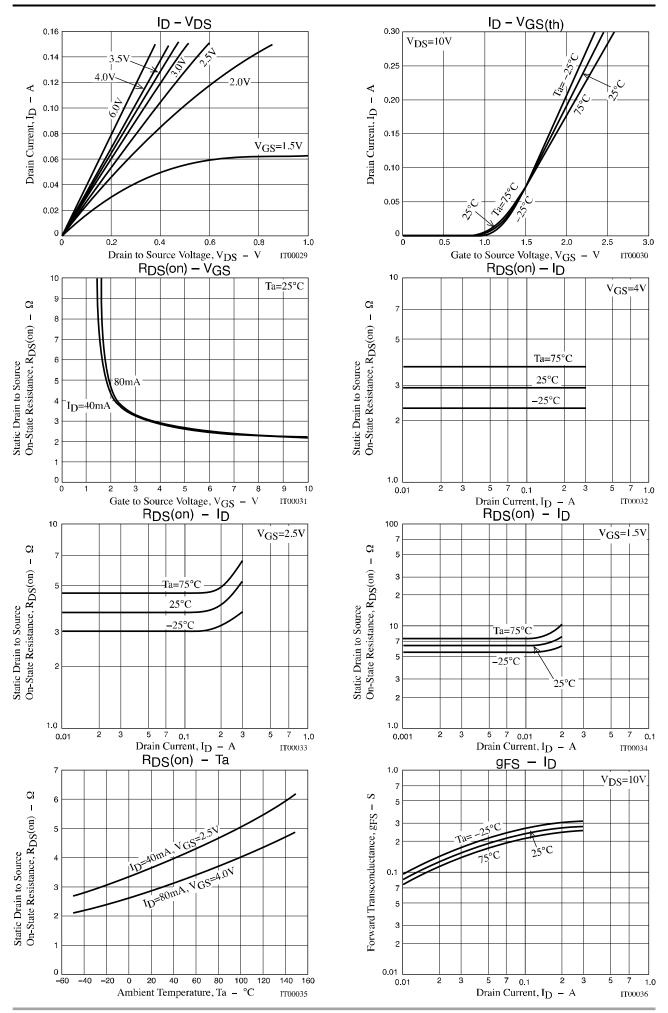
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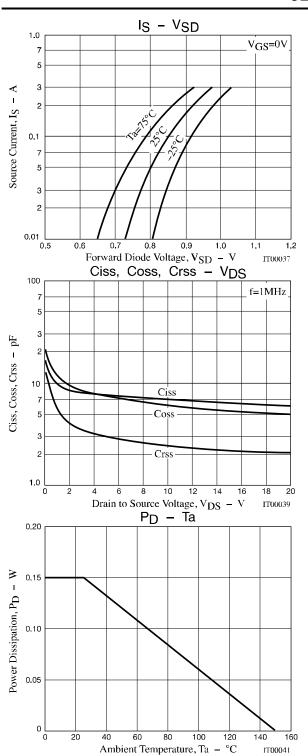
Parameter	Symbol	O - Pri	Value			11.2
		Conditions	min	typ	max	Unit
Static Drain to Source On-State Resistance	R _{DS} (on)1	I _D =80mA, V _{GS} =4V		2.9	3.7	Ω
	R _{DS} (on)2	I _D =40mA, V _{GS} =2.5V		3.7	5.2	Ω
	R _{DS} (on)3	I _D =10mA, V _{GS} =1.5V		6.4	12.8	Ω
Input Capacitance	Ciss	V _{DS} =10V, f=1MHz		7.0		pF
Output Capacitance	Coss			5.9		pF
Reverse Transfer Capacitance	Crss	1		2.3		pF
Turn-ON Delay Time	t _d (on)	See specified Test Circuit		19		ns
Rise Time	t _r			65		ns
Turn-OFF Delay Time	t _d (off)			155		ns
Fall Time	tf	_		120		ns
Total Gate Charge	Qg	V _{DS} =10V, V _{GS} =10V, I _D =150mA		1.58		nC
Gate to Source Charge	Qgs			0.26		nC
Gate to Drain "Miller" Charge	Qgd	1		0.31		nC
Forward Diode Voltage	V _{SD}	I _S =150mA, V _{GS} =0V		0.87	1.2	٧

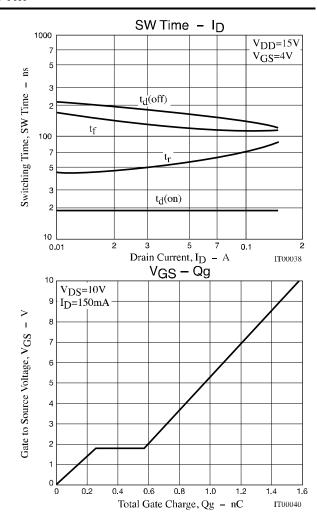
Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

Switching Time Test Circuit









Package Dimensions

3LN01M-TL-E/3LN01M-TL-H

SC-70/MCP3

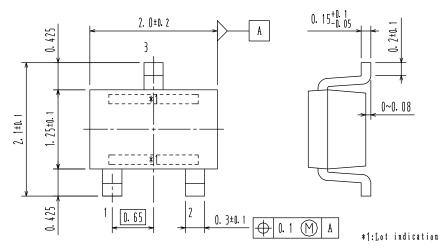
CASE 419AJ ISSUE O

Unit: mm

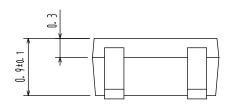
1 : Gate

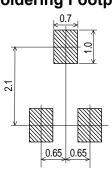
2 : Source

3: Drain



Recommended Soldering Footprint





ORDERING INFORMATION

Device	Package	Shipping	Note	
3LN01M-TL-E	MCP3	0.000	Pb-Free	
3LN01M-TL-H	SC-70,SOT-323	3,000 pcs. / reel	Pb-Free and Halogen Free	

Note on usage : Since the 3LN01M is a MOSFET product, please avoid using this device in the vicinity of highly charged objects.

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