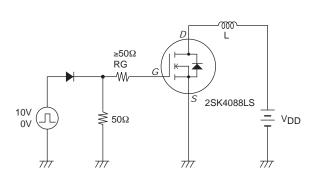
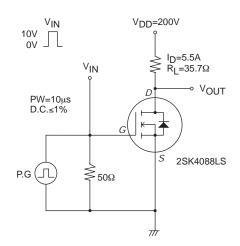
Electrical Characteristics at Ta=25°C

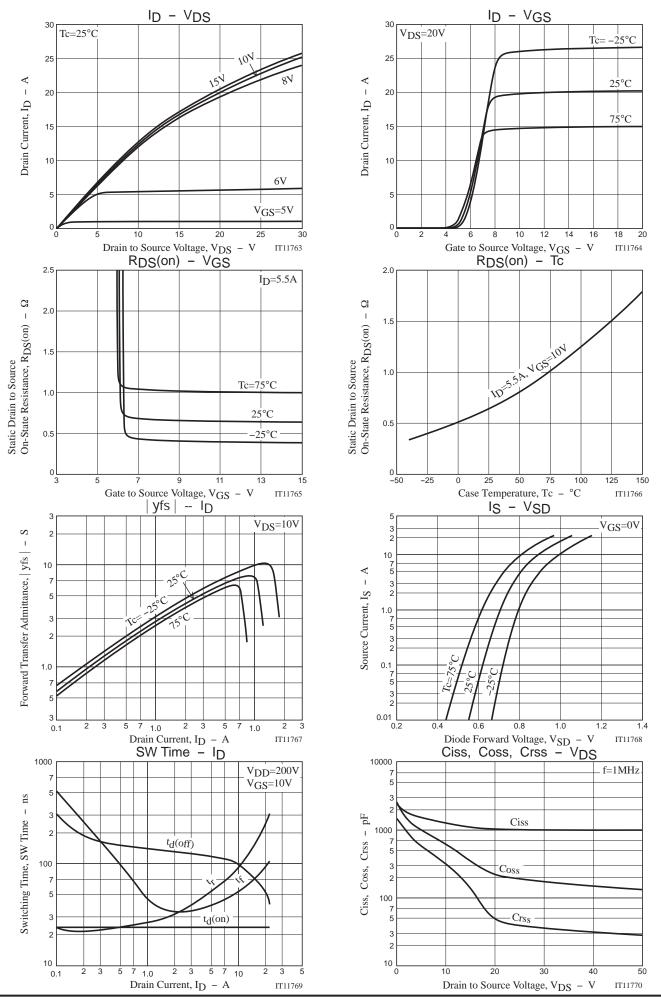
Parameter	Symbol	Conditions	Ratings			Unit
Parameter		Conditions	min	typ	max	Unit
Drain to Source Breakdown Voltage	V(BR)DSS	ID=10mA, VGS=0V	650			V
Zero-Gate Voltage Drain Current	IDSS	V _{DS} =520V, V _{GS} =0V			100	μΑ
Gate to Source Leakage Current	IGSS	V _{GS} =±30V, V _{DS} =0V			±100	nA
Cutoff Voltage	VGS(off)	V _{DS} =10V, I _D =1mA	3		5	٧
Forward Transfer Admittance	yfs	VDS=10V, ID=5.5A	3.3	6.5		S
Static Drain to Source On-State Resistance	R _{DS} (on)	I _D =5.5A, V _G S=10V		0.65	0.85	Ω
Input Capacitance	Ciss			1000		pF
Output Capacitance	Coss	V _{DS} =30V, f=1MHz		172		pF
Reverse Transfer Capacitance	Crss			36		pF
Turn-ON Delay Time	t _d (on)			24		ns
Rise Time	t _r	See appointed Test Circuit		58		ns
Turn-OFF Delay Time	t _d (off)	See specified Test Circuit.		117		ns
Fall Time	tf			40		ns
Total Gate Charge	Qg			37.6		nC
Gate to Source Charge	Qgs	V _{DS} =200V, V _{GS} =10V, I _D =11A		6.8		nC
Gate to Drain "Miller" Charge	Qgd			17.6		nC
Diode Forward Voltage	V _{SD}	I _S =11A, V _{GS} =0V		0.9	1.2	V

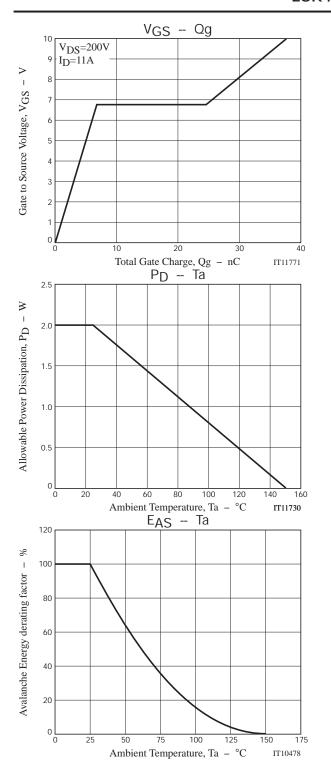
Fig.1 Unclamped Inductive Switching Test Circuit

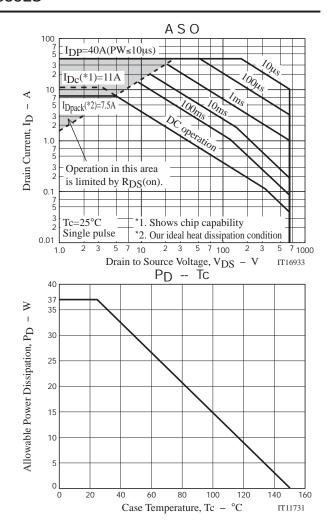
Fig.2 Switching Time Test Circuit









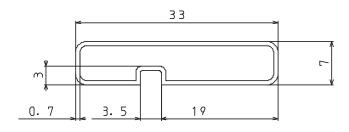


Magazine Specification

2SK4088LS-1E

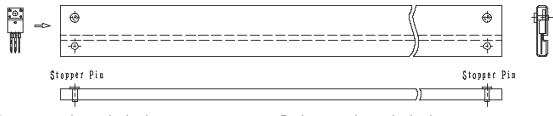
1. Packing Format

Package Name	Magazine Name	Maximum Number of devices contained (po			Packing format		
I To a St. Marrie I Marrie A Marrie I Marrie A M	l	Inner box	Outer box	Inner BOX	Outer BOX		
TO-220F-3F\$	TO-220F	50	1, 000	4,000	SPD-0V0001 20 magazines contained Dimensions:mm (external) 568×150×55	SPT-081029 4 inner boxes contained Dimensions:mm (external) 590×225×178	

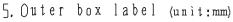


Tolerance=±0, 3mm
Thickness=0, 7±0, 2mm
Length =532, 5±2mm
Material =PVC (Antistatic treatment)

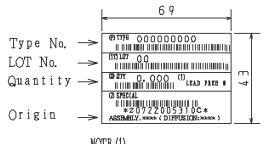
3. Storage method to magazine

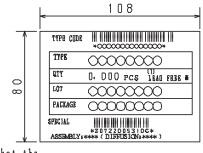


4. Inner box label (unit:mm)



It is a label at the time of factory shipments. The form of a label may change in physical distribution process.



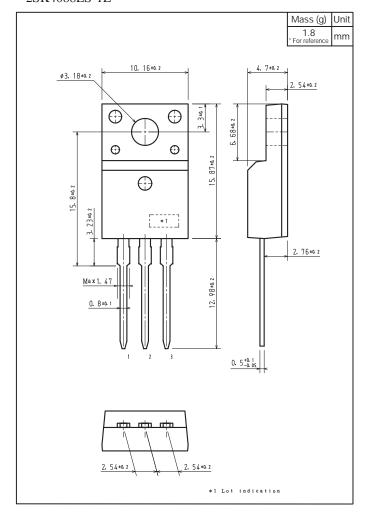


The LEAD FREE * description shows that the surface treatment of the terminal is lead free.

Label		JEITA Phase		
LEAD FREE	3	JEITA Phase 3A		

Outline Drawing

2SK4088LS-1E



Note on usage: Since the 2SK4088LS is a MOSFET product, please avoid using this device in the vicinity of highly charged objects.

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