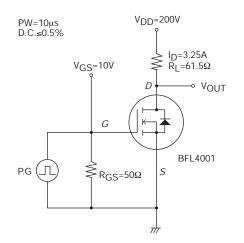
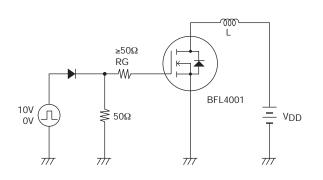
Electrical Characteristics at Ta=25°C

Parameter	Symbol	Constitutions	Ratings			11
Parameter		Conditions	min	typ	max	Unit
Drain-to-Source Breakdown Voltage	V(BR)DSS	ID=10mA, VGS=0V	900			V
Zero-Gate Voltage Drain Current	IDSS	V _{DS} =720V, V _{GS} =0V			1.0	mA
Gate-to-Source Leakage Current	IGSS	V _{GS} =±30V, V _{DS} =0V			±100	nA
Cutoff Voltage	V _{GS} (off)	V _{DS} =10V, I _D =1mA	2.0		4.0	V
Forward Transfer Admittance	yfs	VDS=20V, ID=3.25A	1.8	3.6		S
Static Drain-to-Source On-State Resistance	R _{DS} (on)	ID=3.25A, VGS=10V		2.1	2.7	Ω
Input Capacitance	Ciss			850		pF
Output Capacitance	Coss	V _{DS} =30V, f=1MHz		130		pF
Reverse Transfer Capacitance	Crss			43		pF
Turn-ON Delay Time	t _d (on)			19		ns
Rise Time	tr	See encoified Test Circuit		49		ns
Turn-OFF Delay Time	t _d (off)	See specified Test Circuit.		156		ns
Fall Time	tf			52		ns
Total Gate Charge	Qg			44		nC
Gate-to-Source Charge	Qgs	V _{DS} =200V, V _{GS} =10V, I _D =6.5A		7.0		nC
Gate-to-Drain "Miller" Charge	Qgd			22		nC
Diode Forward Voltage	V _{SD}	IS=6.5A, VGS=0V		0.85	1.2	V

Switching Time Test Circuit

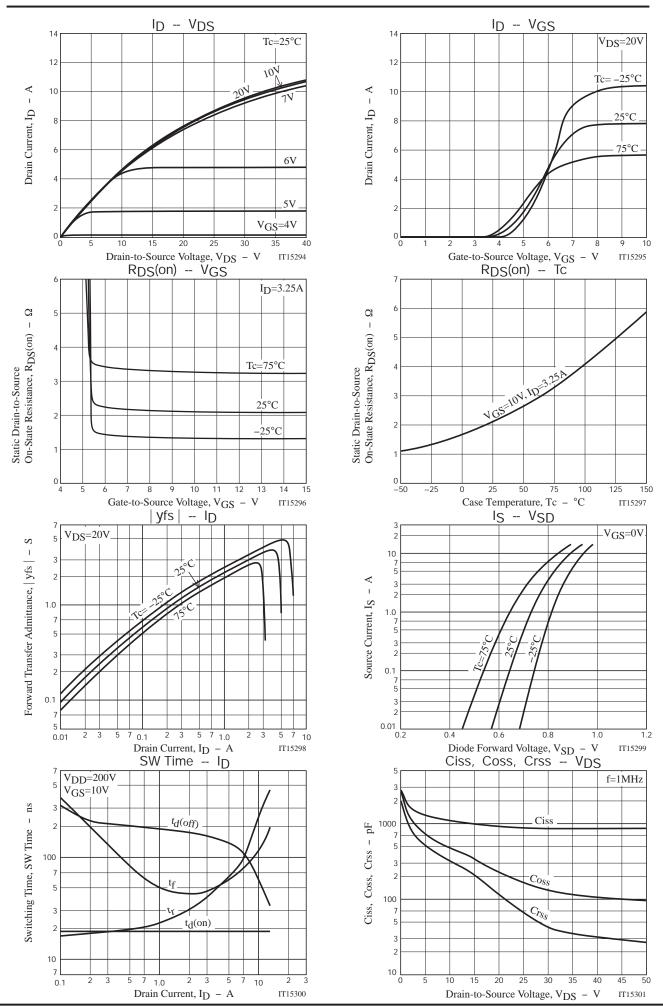


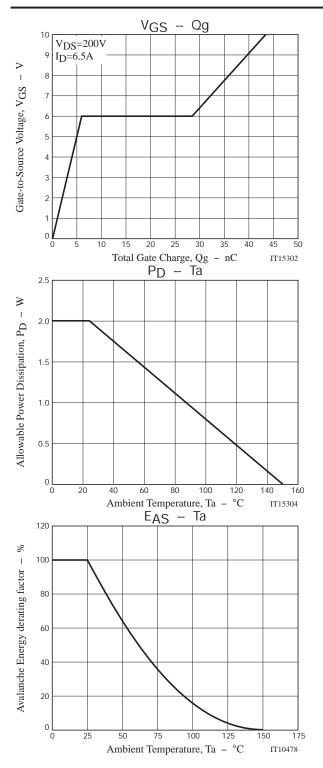
Avalanche Resistance Test Circuit

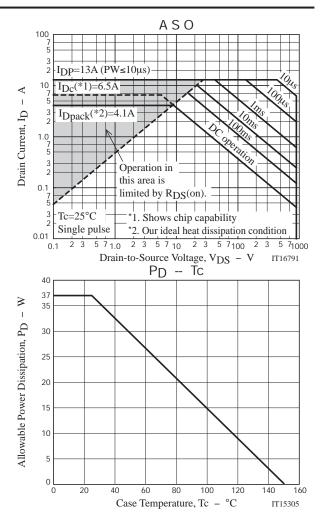


Ordering Information

Device Package		Shipping	memo	
BFL4001-1E	TO-220F-3FS	50pcs./magazine	Pb Free	







Magazine Specification BFL4001-1E

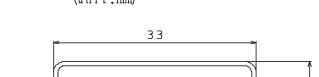
1. Packing Format

Package Name	Magazine Name	Maximum Number of devices contained (pcs)			Packing format		
Turninger Humer	Ideo ap tato Itamo		Inner box	Quter dax]nner BOX	Quter 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	

5

3.5

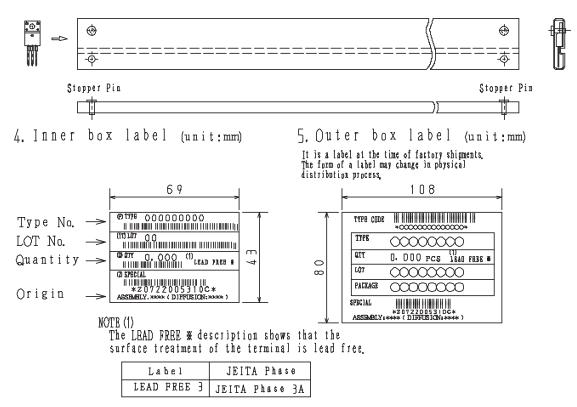
0.7



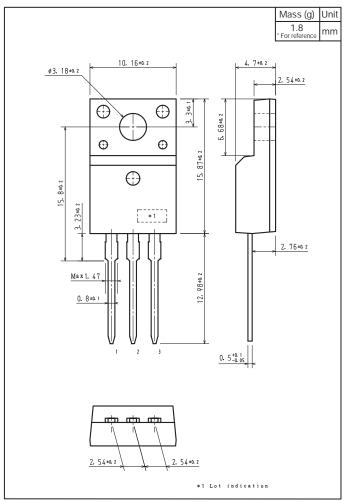
19

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

3. Storage method to magazine



Outline Drawing BFL4001-1E



Note on usage : Since the BFL4001 is a MOSFET product, please avoid using this device in the vicinity of highly charged objects.

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