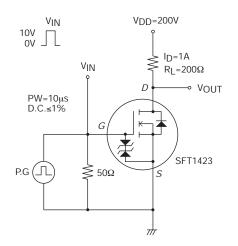
Electrical Characteristics at Ta=25°C

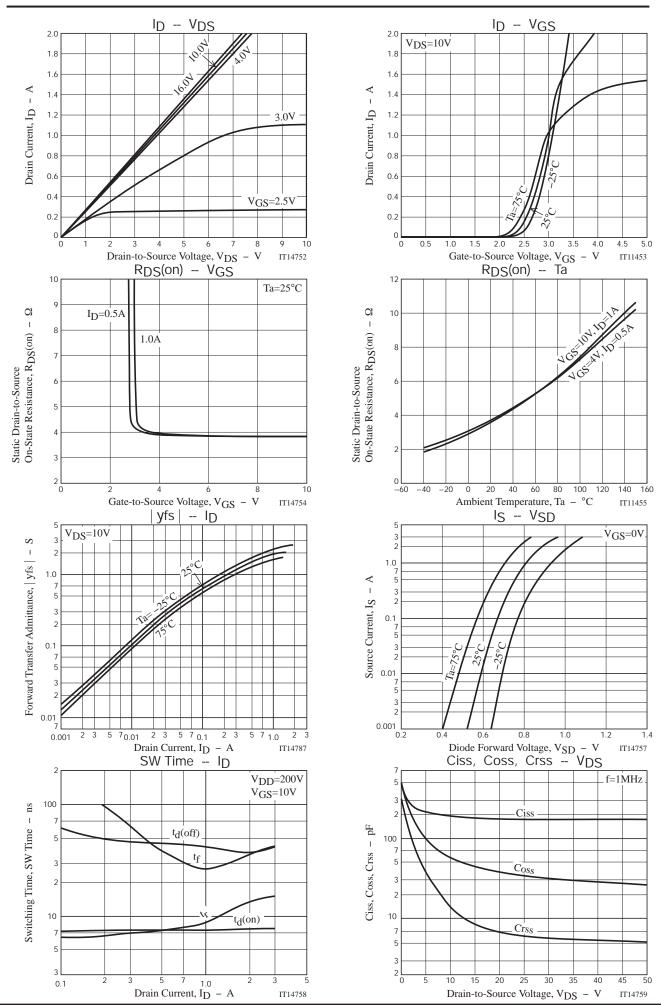
Doromotor	Sumbol	Conditions	Ratings				
Parameter	Symbol	Conditions	min	typ	max	Unit	
Drain-to-Source Breakdown Voltage	V(BR)DSS	ID=10mA, VGS=0V	500			V	
Zero-Gate Voltage Drain Current	IDSS	V _{DS} =400V, V _{GS} =0V			100	μΑ	
Gate-to-Source Leakage Current	IGSS	V _{GS} =±16V, V _{DS} =0V			±10	μΑ	
Cutoff Voltage	V _{GS} (off)	V _{DS} =10V, I _D =1mA	1.2		2.6	V	
Forward Transfer Admittance	yfs	V _{DS} =10V, I _D =1A	1.1	1.9		S	
Static Drain-to-Source On-State Resistance	R _{DS} (on)1	ID=1A, VGS=10V		3.8	4.9	Ω	
	R _{DS} (on)2	ID=0.5A, VGS=4V		3.9	5	Ω	
Input Capacitance	Ciss			175		pF	
Output Capacitance	Coss	VDS=30V, f=1MHz		32		pF	
Reverse Transfer Capacitance	Crss			6		pF	
Turn-ON Delay Time	t _d (on)			7.4		ns	
Rise Time	tr	- See specified Test Circuit. 8.8 42			ns		
Turn-OFF Delay Time	t _d (off)				ns		
Fall Time	tf			27		ns	
Total Gate Charge	Qg			8.7		nC	
Gate-to-Source Charge	Qgs	V _{DS} =200V, V _{GS} =10V, I _D =2A		1.1		nC	
Gate-to-Drain "Miller" Charge	Qgd			2.9		nC	
Diode Forward Voltage	VSD) IS=2A, VGS=0V 0.9		1.2	V		

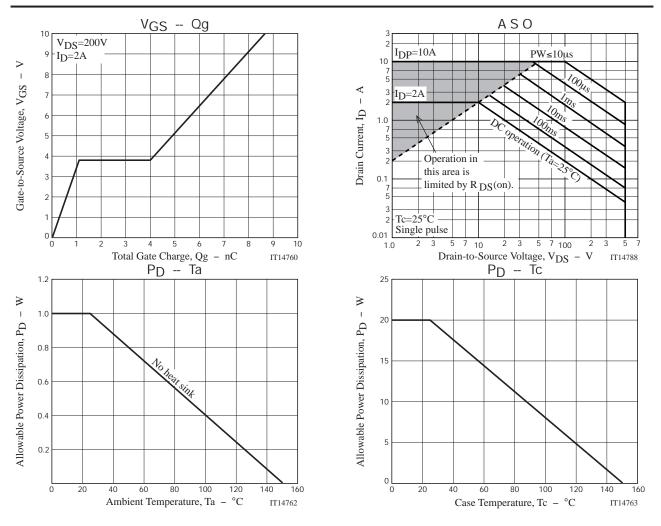
Switching Time Test Circuit



Ordering Information

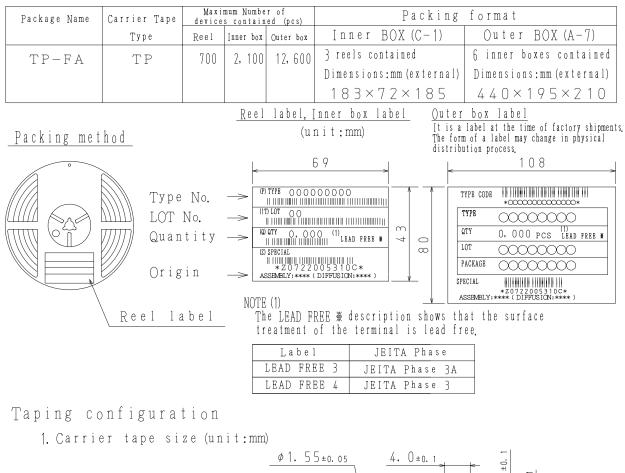
Device	Package	Shipping	memo	
SFT1423-E	TP	500pcs./bag	Dh Free	
SFT1423-TL-E	TP-FA	700pcs./reel	Pb Free	

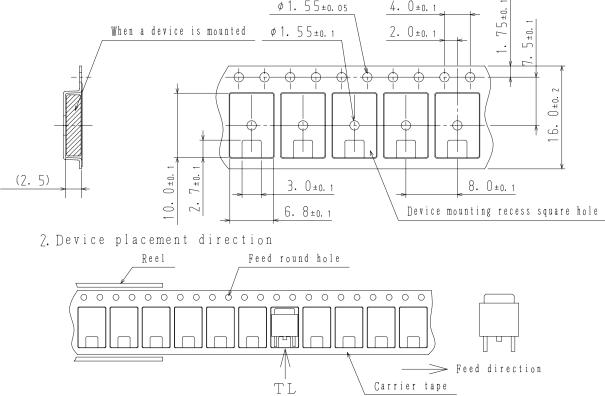




Taping Specification SFT1423-TL-E

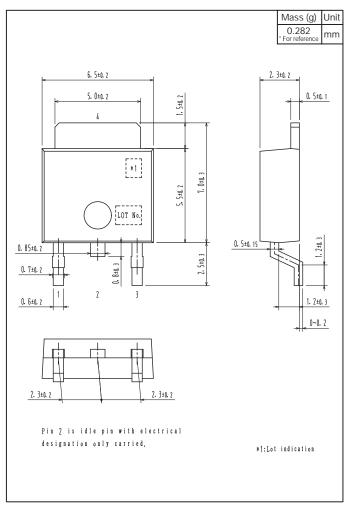
Packing Format



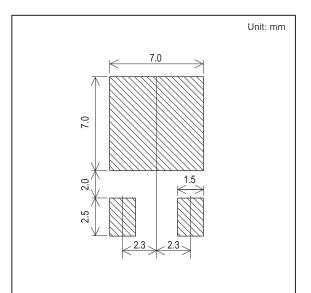


Those with one electrode terminal on the feed hole side ·····TL

Outline Drawing SFT1423-TL-E



Land Pattern Example

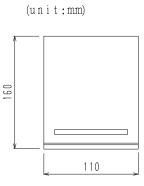


Bag Packing Specification SFT1423-E

<u>1. Packing Format</u>

Package Name		Maximum Number of devices contained (pcs)			
Bag		Inner box	Outer box		
T D		B-1	A-1	A-2	
TP	500	10,000	50,000	30,000	
	Packing format (Dimensions:mm (external))			m (external))	
		Inner box Outer box			
		B-1	A-1	A-2	
4 4 5 × 2 2 5 × 5 5		470×250×300	470×250×190		

<u>2. Bag dimensions</u>



4. Outer 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,

3. Bag	label, Inner	box label
	(unit:mm)	

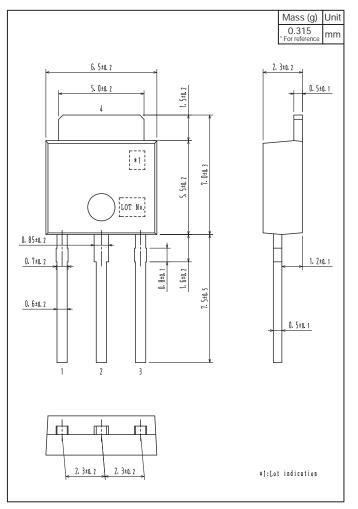
	< 6 9	
Type No. →	(P) TYPE 00000000 	
LOT No. → Quantity→	<pre>> (17) LOTO</pre>	4 J
Origin 🛁	(2) SPECIAL IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	V

NOTE (1) The LEAD FREE * description shows that the surface treatment of the terminal is lead free.

Label				JEITA Phase
LEA	D F	REE	3	JEITA Phase 3A
LEA	D F	REE	4	JEITA Phase 3

	TYPE CODE
	TYPE COCCOCCO
8 0	QTY O, OOO PCS LEAD FREE *
	LOT 00000000
	PACKAGE COCCOCCO
	SPECIAL
	20722005310C ASSEMBLY:**** (DIFFUSION:*****)
	108
	5

Outline Drawing SFT1423-E



Note on usage : Since the SFT1423 is a MOSFET product, please avoid using this device in the vicinity of highly charged objects.

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