

Electrical Characteristics at $T_a=25^\circ\text{C}$

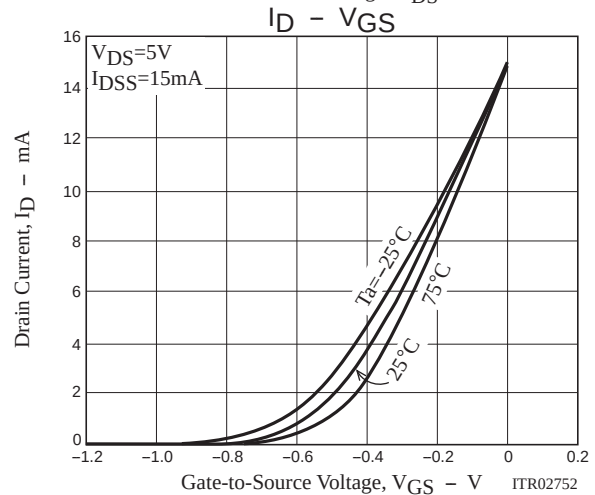
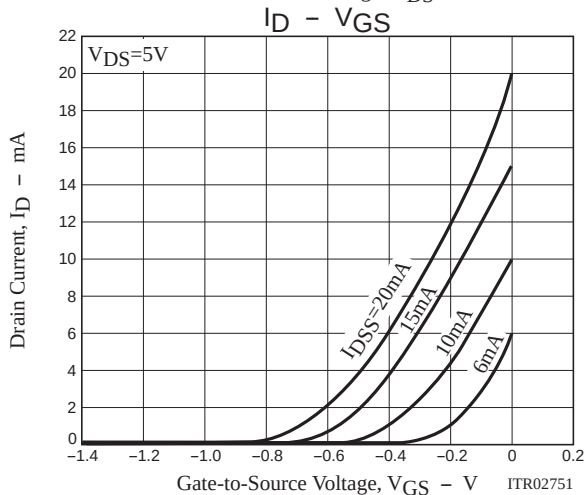
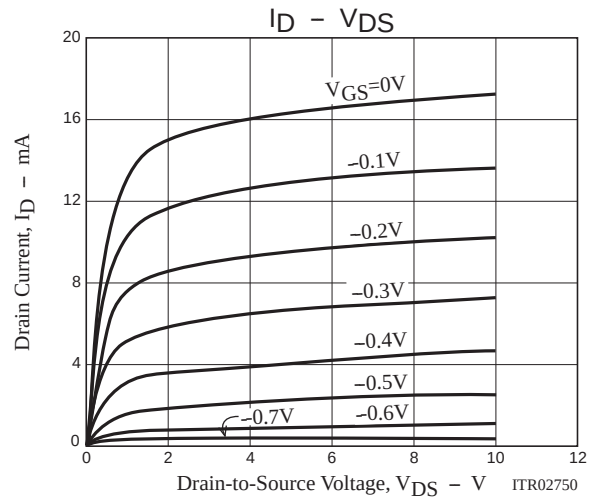
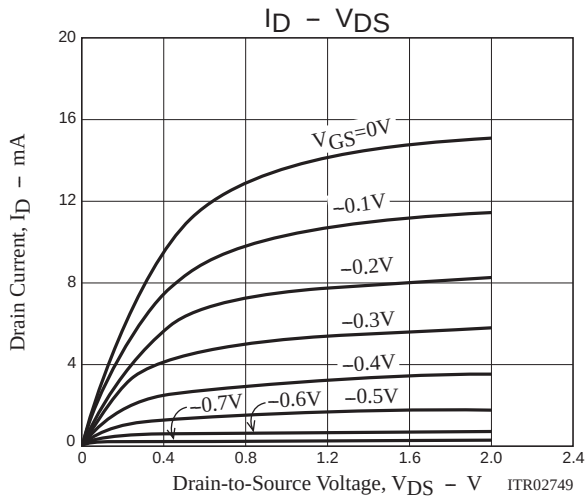
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Gate-to-Drain Breakdown Voltage	$V_{(BR)GDS}$	$I_G=-10\mu\text{A}$, $V_{DS}=0\text{V}$	-15			V
Gate Cutoff Current	I_{GSS}	$V_{GS}=-10\text{V}$, $V_{DS}=0\text{V}$			-1.0	nA
Cutoff Voltage	$V_{GS(off)}$	$V_{DS}=5\text{V}$, $I_D=100\mu\text{A}$	-0.3	-0.7	-1.5	V
Drain Current	I_{DSS}	$V_{DS}=5\text{V}$, $V_{GS}=0\text{V}$	6.0*		32.0*	mA
Forward Transfer Admittance	$ y_{fs} $	$V_{DS}=5\text{V}$, $V_{GS}=0\text{V}$, $f=1\text{kHz}$	20	38		mS
Input Capacitance	C_{iss}	$V_{DS}=5\text{V}$, $V_{GS}=0\text{V}$, $f=1\text{MHz}$		10.0		pF
Reverse Transfer Capacitance	C_{rss}			2.9		pF
Noise Figure	NF	$V_{DS}=5\text{V}$, $R_g=1\text{k}\Omega$, $I_D=1\text{mA}$, $f=1\text{kHz}$		1.0		dB

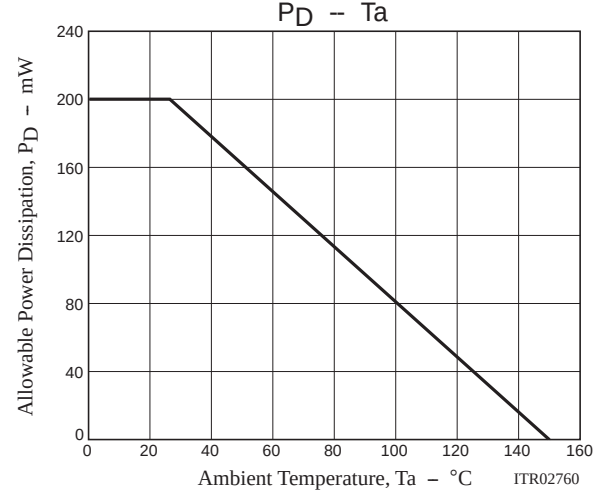
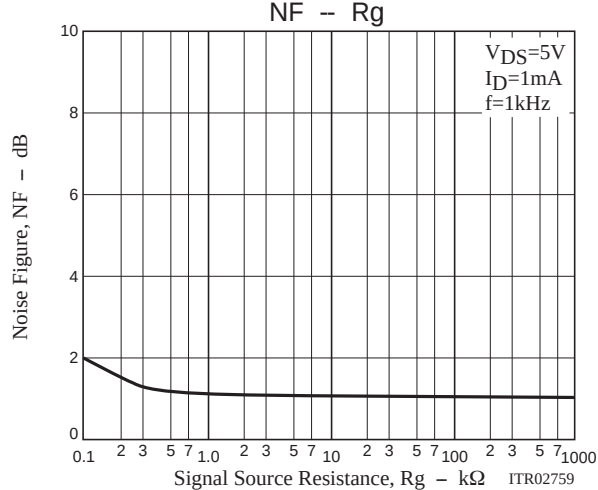
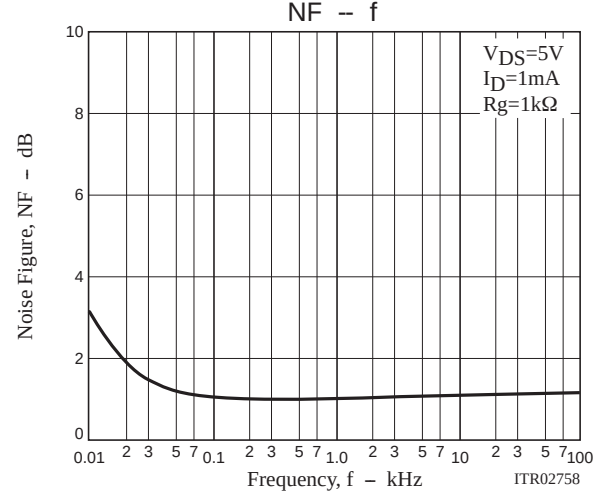
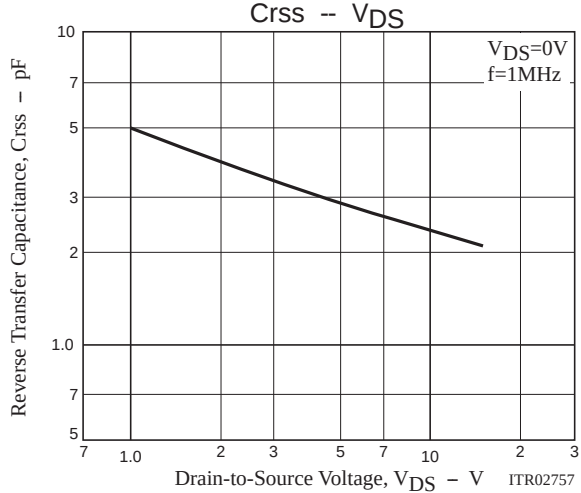
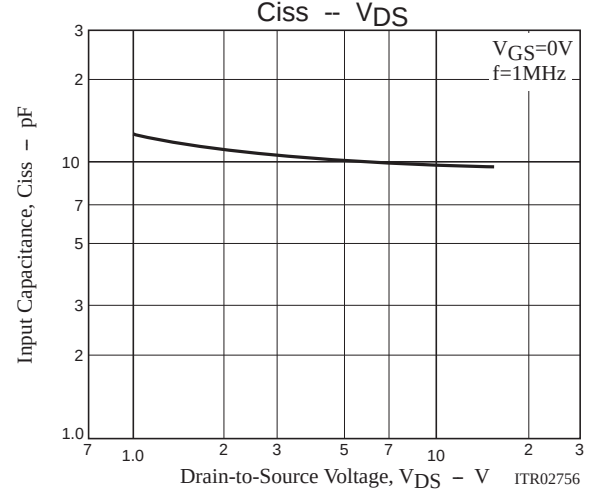
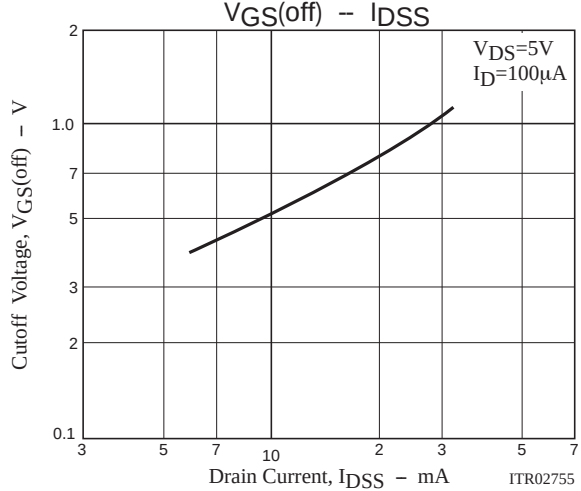
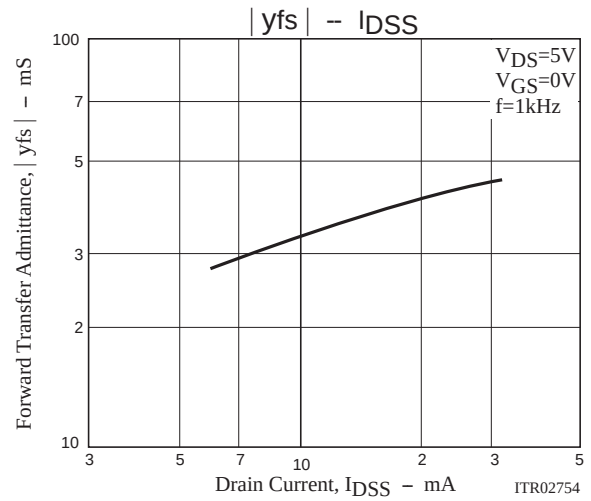
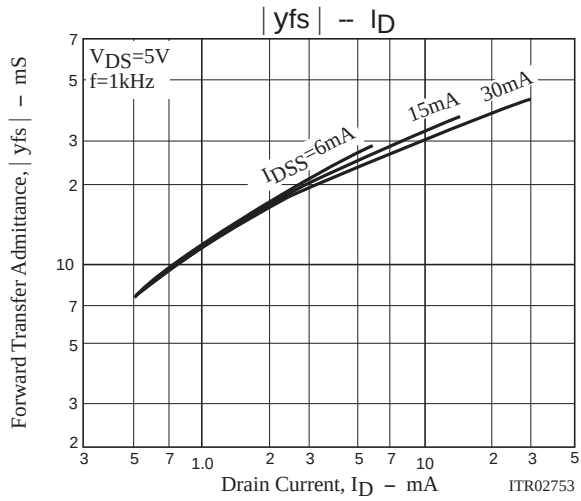
* : The 2SK2394 is classified by I_{DSS} as follows : (unit : mA)

Rank	5	6	7
I_{DSS}	6.0 to 12.0	10.0 to 20.0	16.0 to 32.0

Ordering Information

Device	Package	Shipping	memo
2SK2394-6-TB-E	CP	3,000pcs./reel	Pb Free
2SK2394-7-TB-E	CP	3,000pcs./reel	





Embossed Taping Specification

2SK2394-6-TB-E, 2SK2394-7-TB-E

1. Packing Format

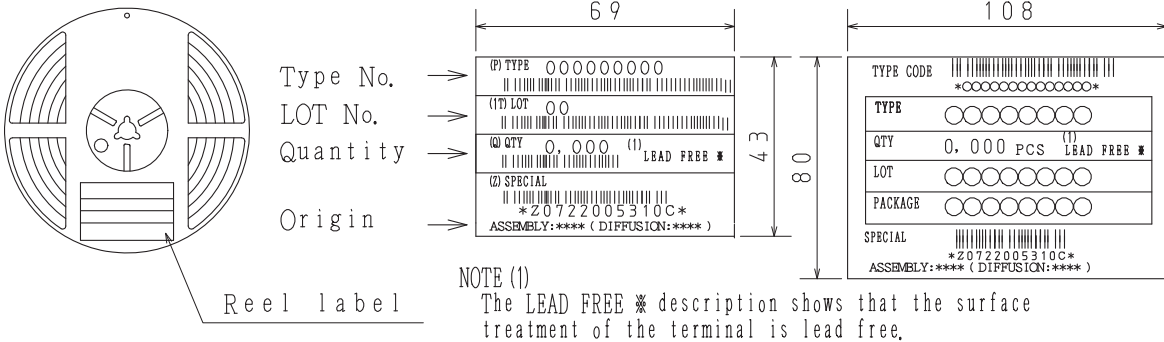
Package Name	Carrier Tape Type	Maximum Number of devices contained (pcs)			Packing format	
		Reel	Inner box	Outer box	Inner BOX (C-1)	Outer BOX (A-7)
CP	CP	3,000	15,000	90,000	5 reels contained Dimensions:mm (external) 183×72×185	6 inner boxes contained Dimensions:mm (external) 440×195×210

Reel label, Inner box label
(unit:mm)

Outer box label

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

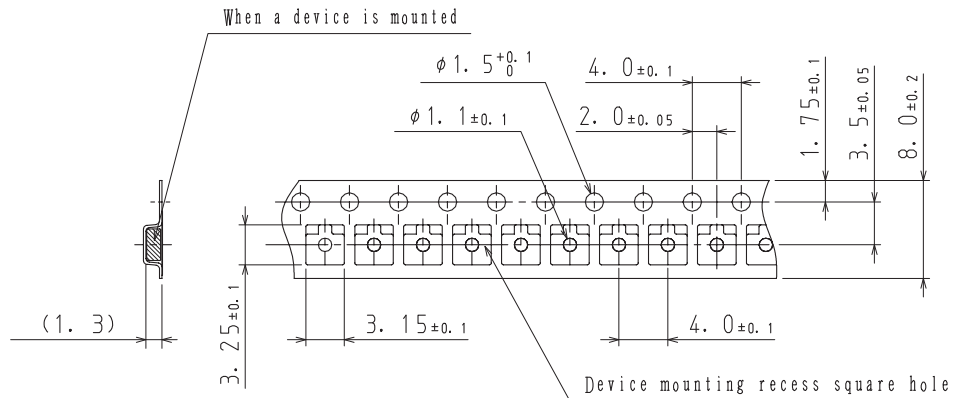
Packing method



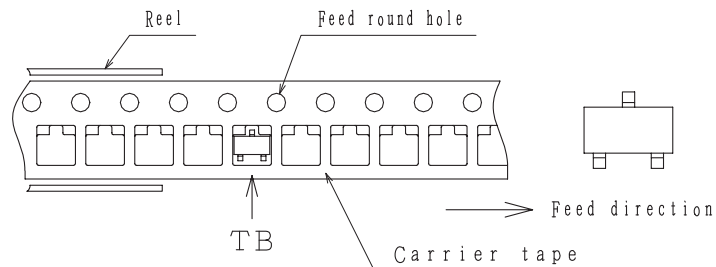
Label	JEITA Phase
LEAD FREE 3	JEITA Phase 3A
LEAD FREE 4	JEITA Phase 3

2. Taping configuration

2-1. Carrier tape size (unit:mm)



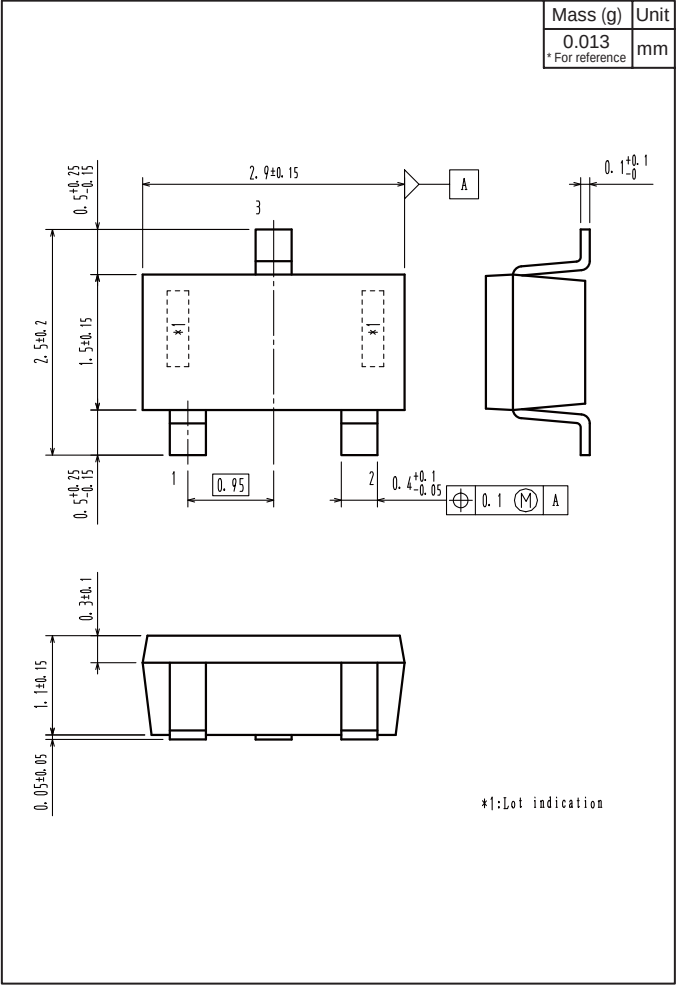
2-2. Device placement direction



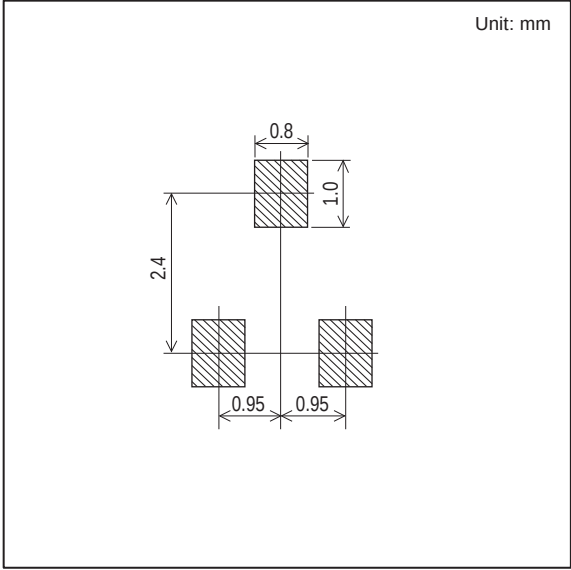
Those with one electrode terminal on the feed hole side.....TB

Outline Drawing

2SK2394-6-TB-E, 2SK2394-7-TB-E



Land Pattern Example



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