

3SK264

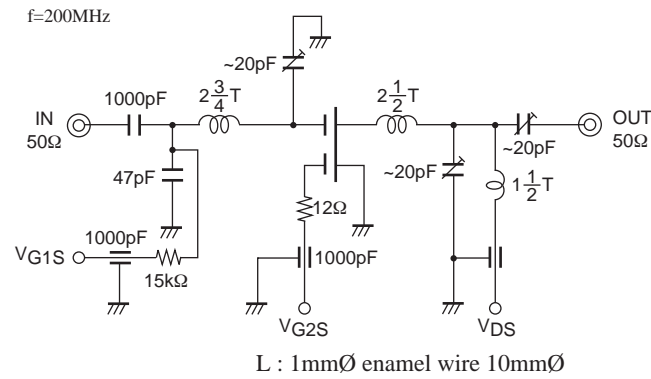
Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Drain-to-Source Voltage	V <sub>DS</sub>	V <sub>G1S</sub> =0V, V <sub>G2S</sub> =0V, I <sub>DS</sub> =100μA	15			V
Gate1-to-Source Cutoff Voltage	V <sub>G1S</sub> (off)	V <sub>DS</sub> =6V, V <sub>G2S</sub> =4V, I <sub>D</sub> =100μA	0	0.7	1.3	V
Gate2-to-Source Cutoff Voltage	V <sub>G2S</sub> (off)	V <sub>DS</sub> =6V, V <sub>G1S</sub> =3V, I <sub>D</sub> =100μA	0.1	0.9	1.6	V
Gate1-to-Source Leakage Current	I <sub>G1SS</sub>	V <sub>G1S</sub> =±6V, V <sub>G2S</sub> =V <sub>DS</sub> =0V			±50	nA
Gate2-to-Source Leakage Current	I <sub>G2SS</sub>	V <sub>G2S</sub> =±6V, V <sub>G1S</sub> =V <sub>DS</sub> =0V			±50	nA
Zero-Gate Voltage Drain Current	I <sub>DSX</sub>	V <sub>DS</sub> =6V, V <sub>G1S</sub> =1.5V, V <sub>G2S</sub> =4V	5.0*		24.0*	mA
Forward Transfer Admittance	y <sub>fs</sub>	V <sub>DS</sub> =6V, I <sub>D</sub> =10mA, V <sub>G2S</sub> =4V, f=1kHz		17		mS
Input Capacitance	C <sub>iss</sub>	V <sub>DS</sub> =6V, V <sub>G1S</sub> =0V, V <sub>G2S</sub> =4V, f=1MHz		2.5		pF
Reverse Transfer Capacitance	C <sub>rss</sub>			0.015	0.03	pF
Power Gain	PG	V <sub>DS</sub> =6V, I <sub>D</sub> =10mA, V <sub>G2S</sub> =4V, f=200MHz	20	23		dB
Noise Figure	NF	V <sub>DS</sub> =6V, I <sub>D</sub> =10mA, V <sub>G2S</sub> =4V, f=200MHz		1.1	2.2	dB

\* : The 3SK264 is classified by I<sub>DSX</sub> as follows : (unit : mA)

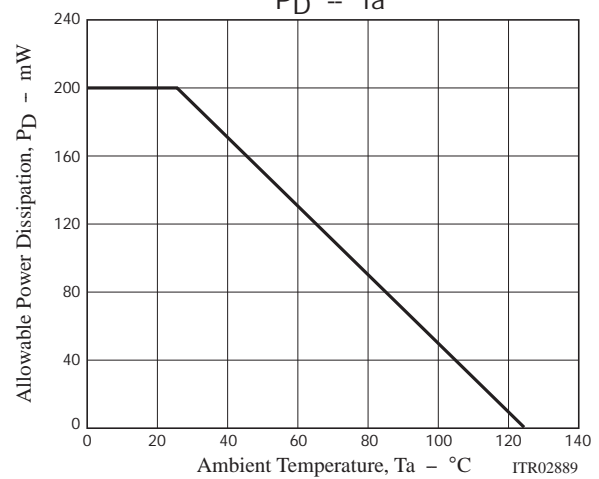
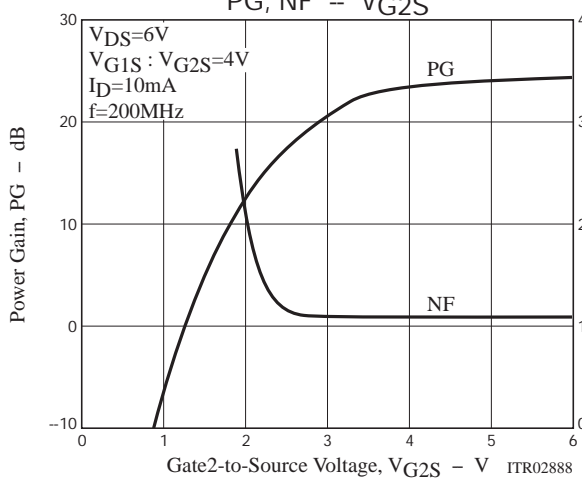
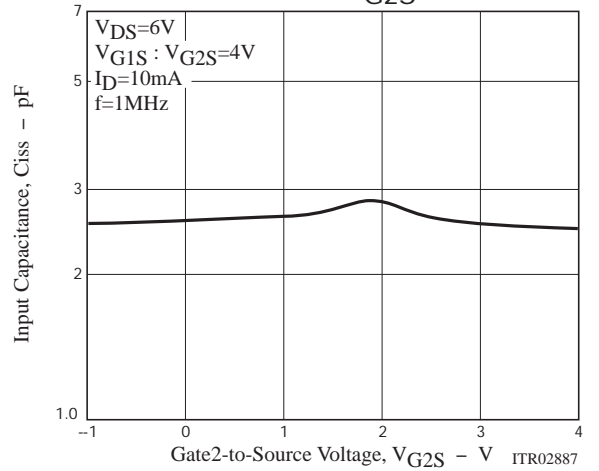
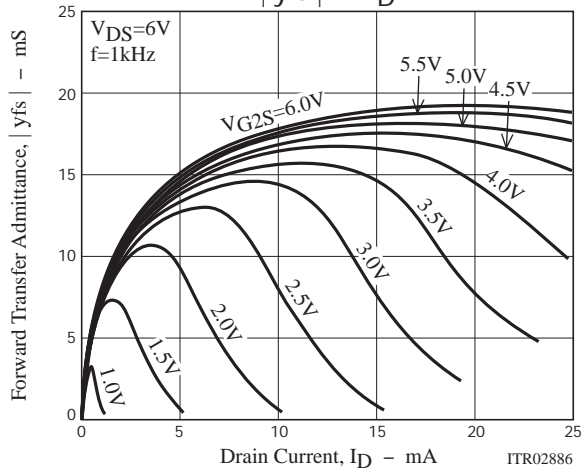
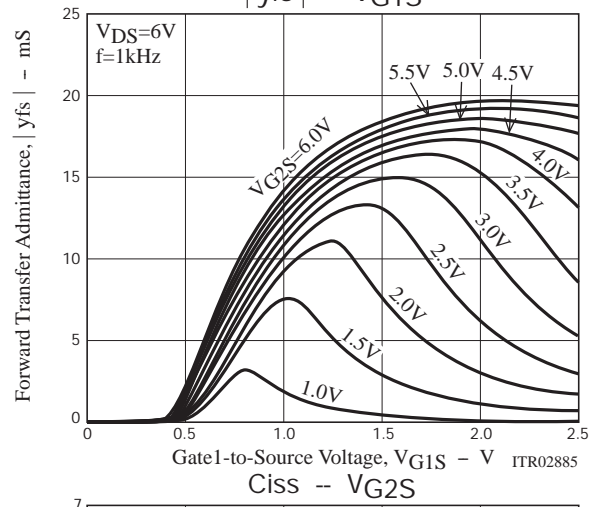
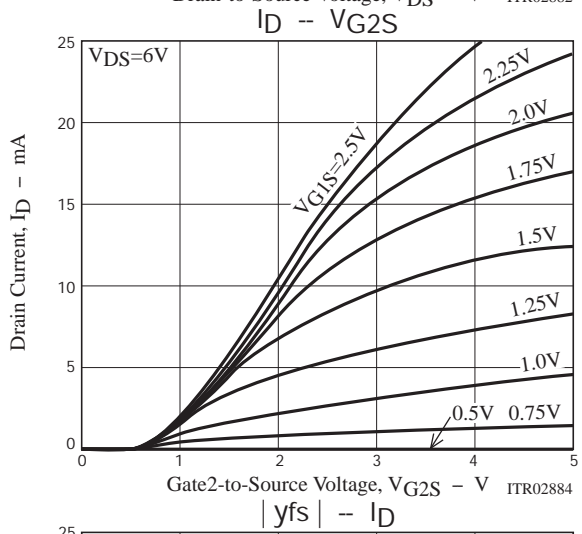
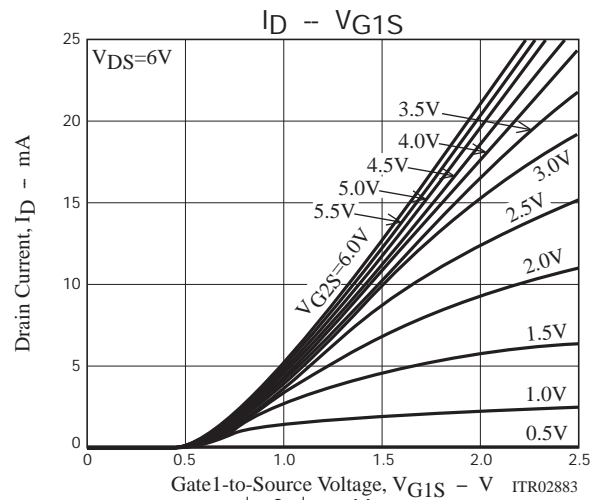
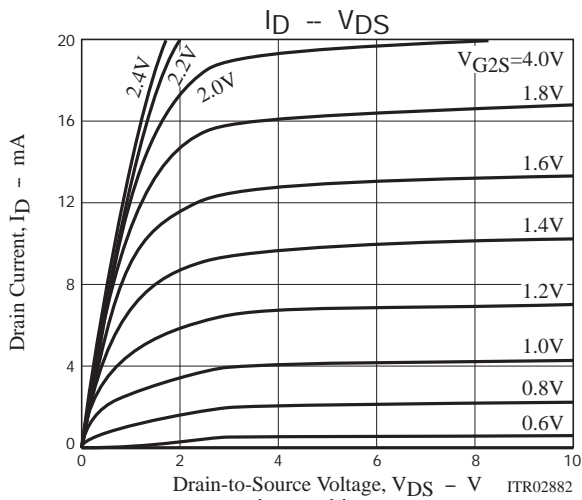
Rank	5	6
I <sub>DSX</sub>	5.0 to 12.0	10.0 to 24.0

PG, NF Specified Test Circuit



Ordering Information

Device	Package	Shipping	memo
3SK264-5-TG-E	CP4	3,000pcs./reel	Pb Free



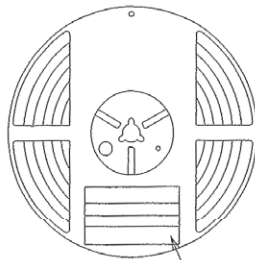
# Embossed Taping Specification

3SK264-5-TG-E

Storage package Outline name	Carrier tape Type number	Maximum Number of devices contained (pcs.)			Packing format	
		Reel	Inner box	Outer box	Inner box BOX (C-1)	Outer box BOX (A-7)
CP4	CP4	3,000	15,000	90,000	5 reels contained Dimensions:mm(external) 1 8 3 × 7 2 × 1 8 5	6 inner boxes contained Dimensions:mm(external) 4 4 0 × 1 9 5 × 2 1 0

## 1. Packing format

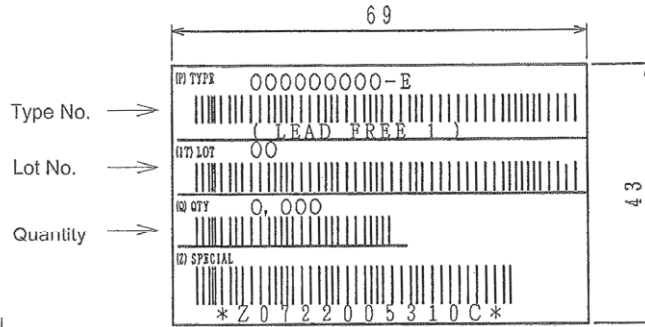
### Packing method



Bar code label

### Bar code label (Example)

(Unit : mm)

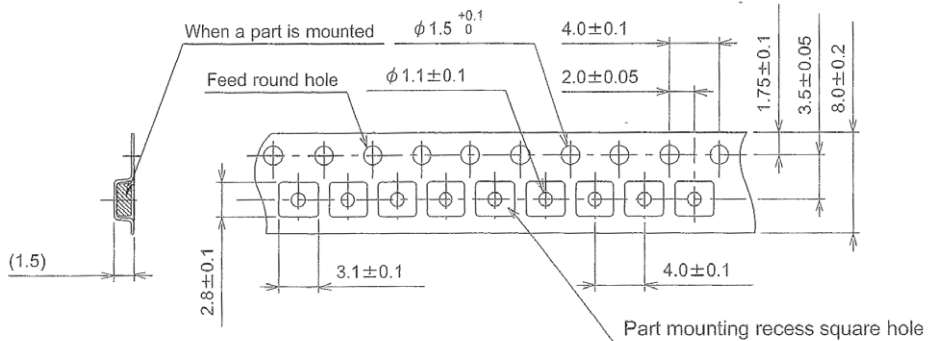


\*LEAD FREE 1:

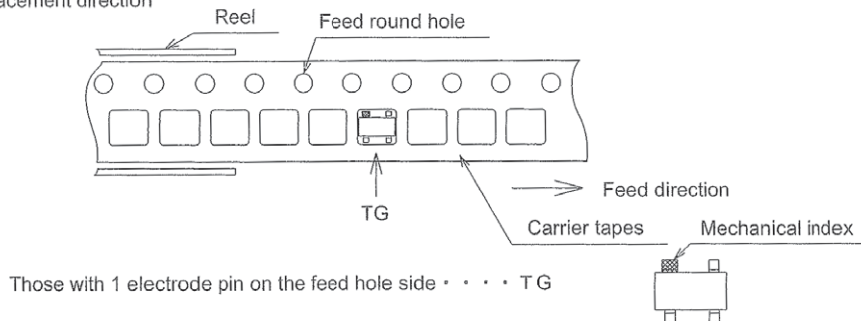
Lead-free External terminal surface  
treatment product.

## 2. Taping structure

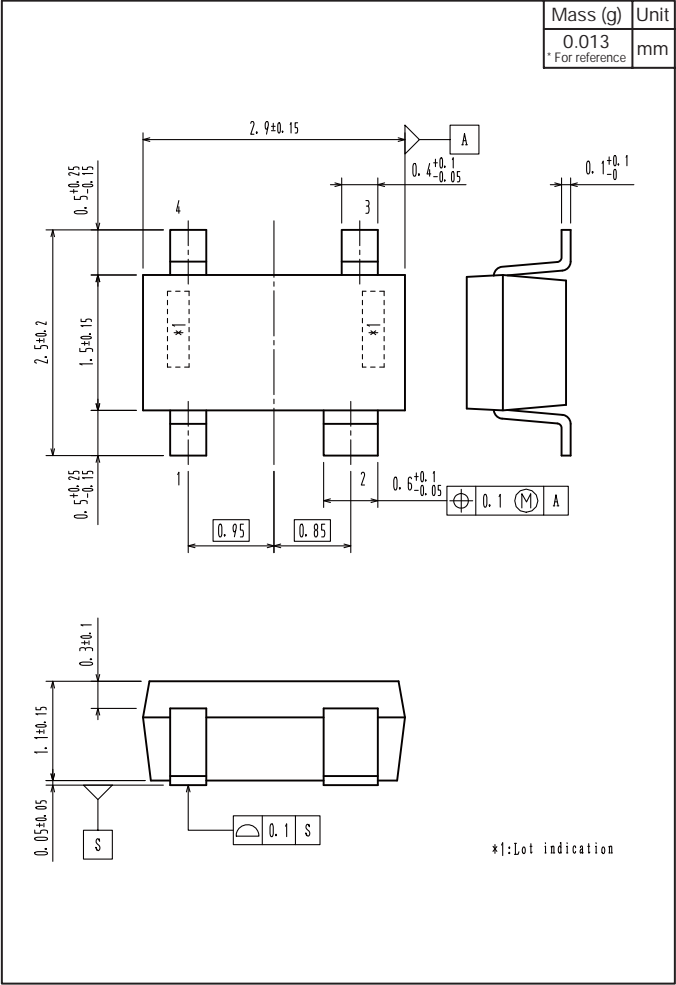
### 2-1. Carrier tape size (Unit : mm)



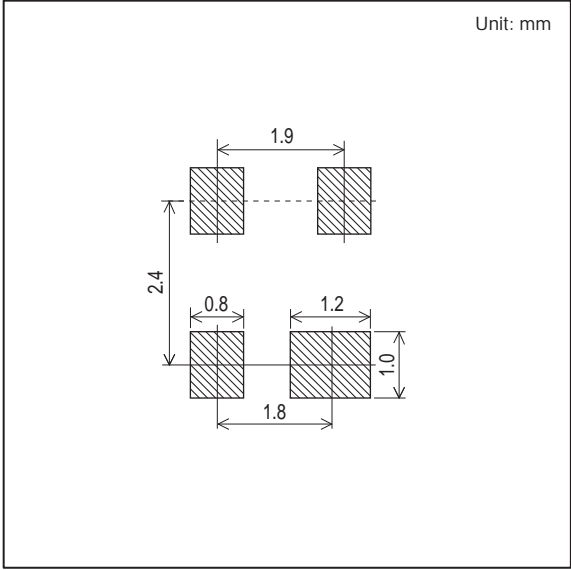
### 2-2. Parts placement direction



Outline Drawing  
3SK264-5-TG-E



Land Pattern Example



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