CPH6904



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N-Channel JFET 25V, 20 to 40mA, 40mS, Dual CPH6

Features

- · Composite type with 2 J-FET contained in a CPH6 package currently in use, improving the mounting efficiency greatly
- · The CPH6904 is formed with two chips, being equivalent to the CPH3910, placed in one package

Specifications

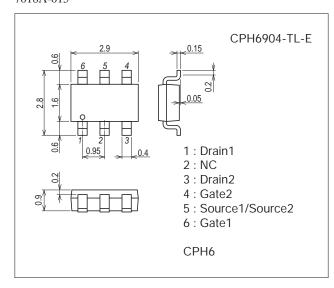
Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Drain-to-Source Voltage	VDSX		25	V
Gate-to-Source Voltage	V _{GDS}		-25	V
Gate Current	IG		10	mA
Drain Current	ID		50	mA
Allowable Power Dissipation	PD	1unit	400	mW
Total Power Dissipation	PT		700	mW
Channel Temperature	Tch		150	°C
Storage Temperature	Tstg		-55 to +150	°C

Stresses exceeding Maximum Ratings may damage the device. Maximum Ratings are stress ratings only. Functional operation above the Recommended Operating Conditions is not implied. Extended exposure to stresses above the Recommended Operating Conditions may affect device reliability.

Package Dimensions

unit : mm (typ) 7018A-015



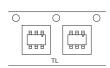
Product & Package Information

• Package : CPH6

• JEITA, JEDEC : SC-74, SOT-26, SOT-457

• Minimum Packing Quantity : 3,000 pcs./reel

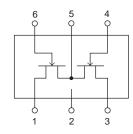
Packing Type: TL



Marking



Electrical Connection



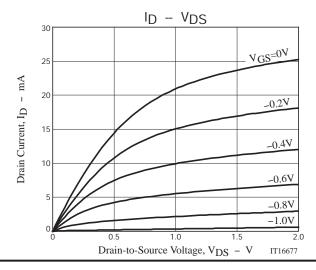
Electrical Characteristics at Ta=25°C

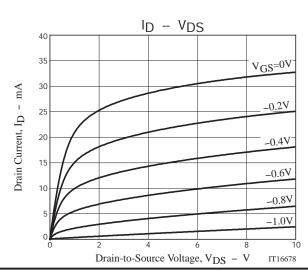
Parameter	Symbol	Conditions	Ratings			Unit	
Parameter	Symbol Conditions		min	typ	max	UIII	
Gate-to-Drain Breakdown Voltage	V(BR)GDS	IG=-10μA, VDS=0V	-25			V	
Gate-to-Source Leakage Current	IGSS	V _{GS} =-10V, V _{DS} =0V			-1.0	nA	
Cutoff Voltage	V _{GS} (off)	V _{DS} =5V, I _D =100μA	-0.6	-1.2	-1.8	V	
Drain Current	IDSS	V _{DS} =5V, V _{GS} =0V	20.0		40.0	mA	
Forward Transfer Admittance	yfs	V _{DS} =5V, V _{GS} =0V, f=1kHz	30	40		mS	
Input Capacitance	Ciss	VDS=5V, VGS=0V, f=1MHz		6.0		pF	
Reverse Transfer Capacitance	Crss	VDS=5V, VGS=0V, I=1IVIHZ		2.3		pF	
Noise Figure	NF	V _{DS} =5V, V _{GS} =0V, f=100MHz		2.1	2.8	dB	

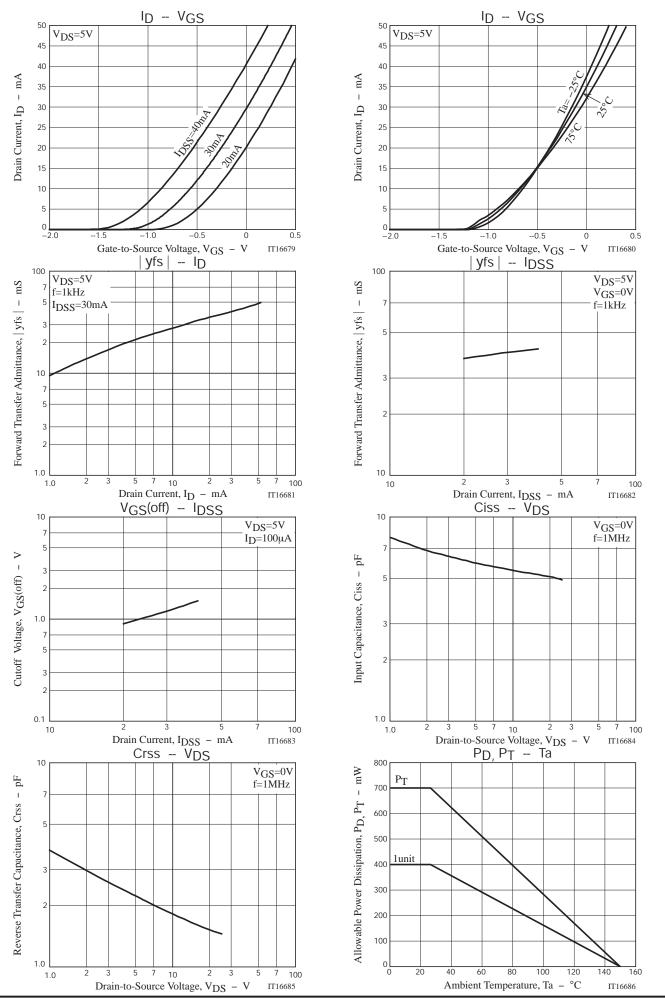
The specifications shown above are for each individual J-FET.

Ordering Information

Device Package		Shipping	memo	
CPH6904-TL-E	CPH6	3,000pcs./reel	Pb Free	





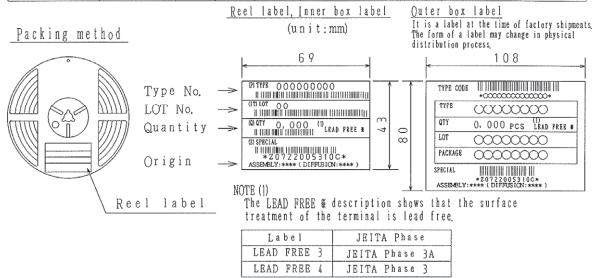


Embossed Taping Specification

CPH6904-TL-E

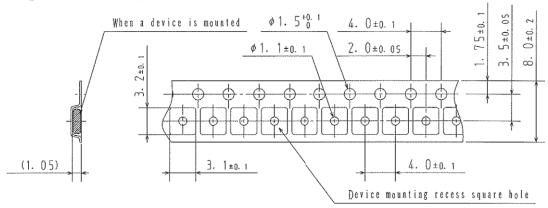
1. Packing Format

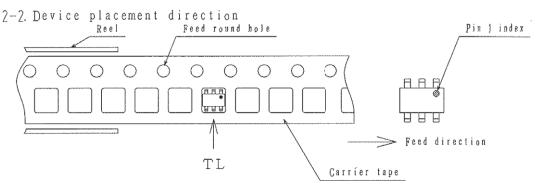
Package Name	Carrier Tape	Maximum Number of devices contained (pcs)			Packing format		
	Type	Reel	Inuer pox	Outer box	Inner BOX (C-1)	Outer BOX (A-7)	
 СРН6	СРН6	3, 000	15, 000	90,000	5 reels contained	6 inner boxes contained	
					Dimensions:mm (external)	Dimensions:mm (external)	
					183×72×185	440×195×210	



2. Taping configuration

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

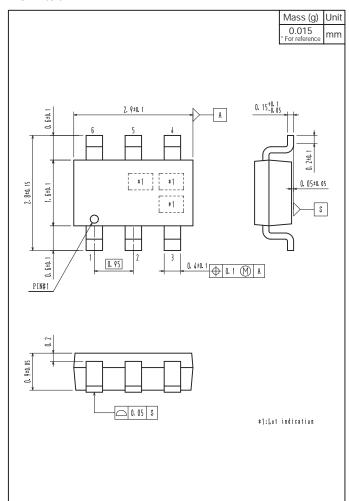




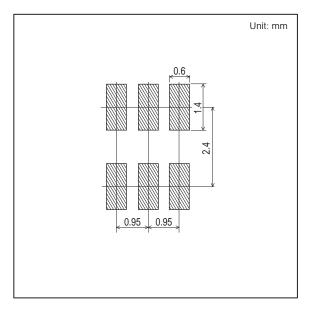
Those with pin 1 index on the feed hole side · · · · · TL

Outline Drawing

CPH6904-TL-E



Land Pattern Example



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