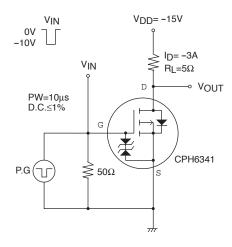
CPH6341

Electrical Characteristics at Ta=25°C

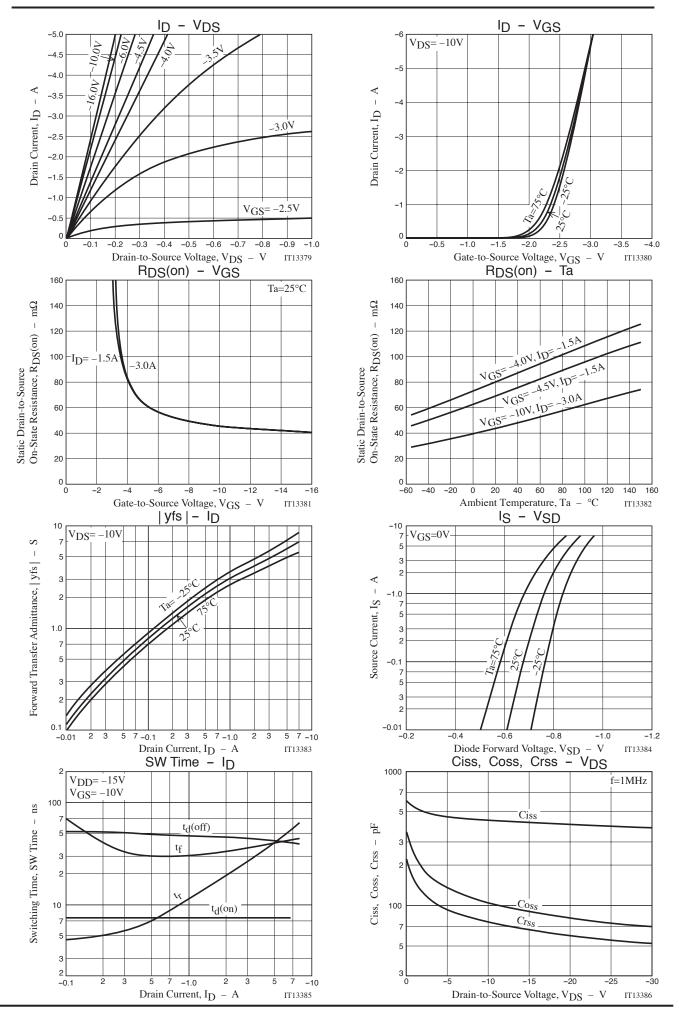
Parameter	Symbol	Conditions	Ratings			Unit
Faranieter		Conditions	min	typ	max	Unit
Drain-to-Source Breakdown Voltage	V(BR)DSS	ID=-1mA, VGS=0V	-30			V
Zero-Gate Voltage Drain Current	IDSS	V _{DS} =-30V, V _{GS} =0V			-1	μΑ
Gate-to-Source Leakage Current	IGSS	V _{GS} =±16V, V _{DS} =0V			±10	μΑ
Cutoff Voltage	V _{GS} (off)	V _{DS} =-10V, I _D =-1mA	-1.2		-2.6	V
Forward Transfer Admittance	yfs	V _{DS} =-10V, I _D =-3A	2.8	4.8		S
Static Drain-to-Source On-State Resistance	RDS(on)1	ID=-3A, VGS=-10V		45	59	mΩ
	R _{DS} (on)2	I _D =-1.5A, V _G S=-4.5V		71	100	mΩ
	R _{DS} (on)3	I _D =-1.5 A, V _G S=-4V		82	115	mΩ
Input Capacitance	Ciss			430		рF
Output Capacitance	Coss	V _{DS} =-10V, f=1MHz		105		pF
Reverse Transfer Capacitance	Crss			75		pF
Turn-ON Delay Time	t _d (on)			7.5		ns
Rise Time	t _r	One are difficult Took Office til		26		ns
Turn-OFF Delay Time	t _d (off)	See specified Test Circuit.		45		ns
Fall Time	tf			35		ns
Total Gate Charge	Qg			10		nC
Gate-to-Source Charge	Qgs	V _{DS} =-15V, V _{GS} =-10V, I _D =-5A		2.0		nC
Gate-to-Drain "Miller" Charge	Qgd			2.5		nC
Diode Forward Voltage	V _{SD}	I _S =-5A, V _{GS} =0V		-0.87	-1.2	V

Switching Time Test Circuit

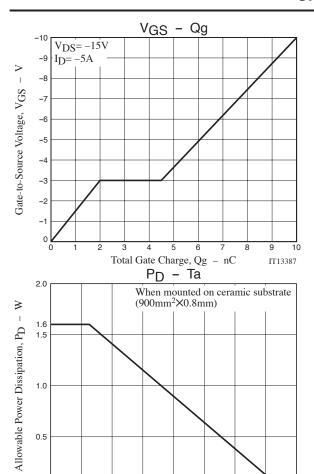


Ordering Information

Device	Package	Shipping	memo	
CPH6341-TL-E	CPH6	3.000pcs./reel	Pb-Free	
CPH6341-TL-W	СРН	3,000pcs./reei	Pb-Free and Halogen Free	



CPH6341



80

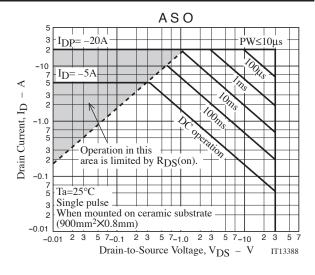
Ambient Temperature, Ta - °C

100

140

160

IT13389



0.5

0

0

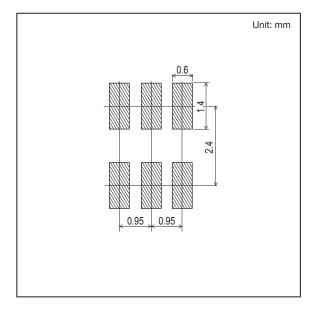
20

Outline Drawing

CPH6341-TL-E, CPH6341-TL-W

Mass (g) Unit 0.015 For reference mm 0. 15^{+0. 1}_{-0. 05} 2. 9±0. 1 0.6±0.1 A 0. 2±0.1 [*1][*1] 0. 05±0.05 2, 8±0, 15 6±0.1 [*1] - \$ 0. 95 0. 4±0. 1 M A PIN#1 0.05 \$ *1:Lot indication

Land Pattern Example



Note on usage: Since the CPH6341 is a MOSFET product, please avoid using this device in the vicinity of highly charged objects.

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