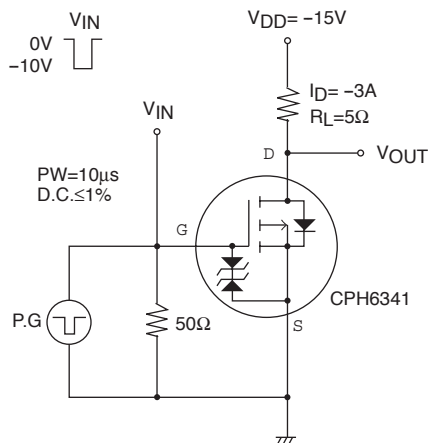


CPH6341

Electrical Characteristics at Ta=25°C

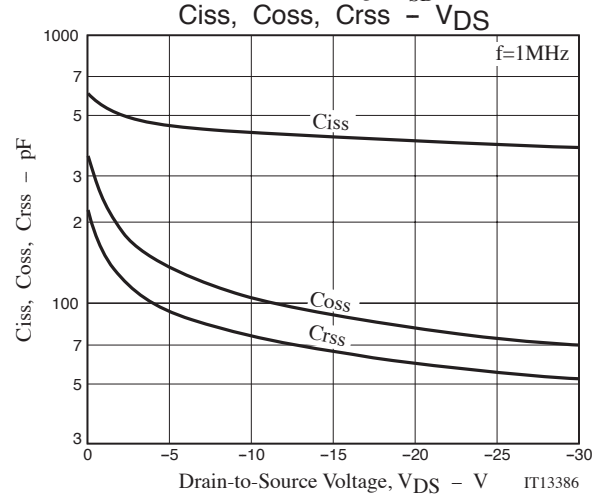
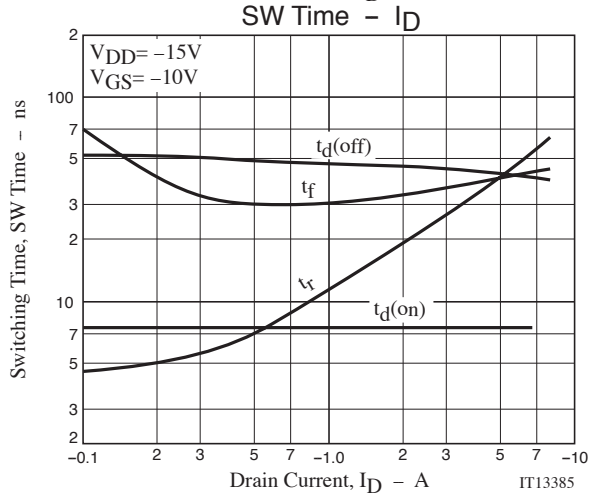
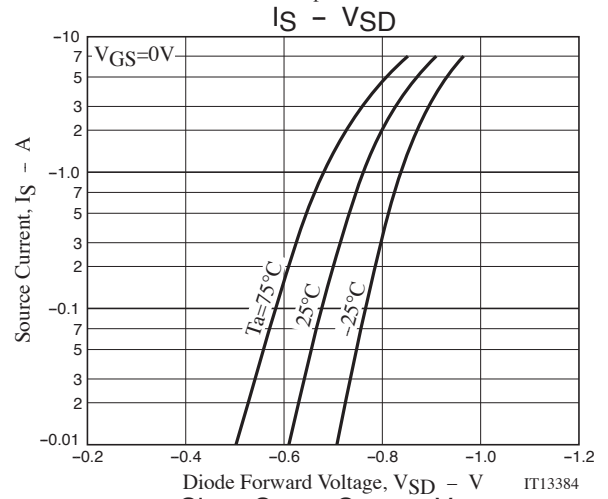
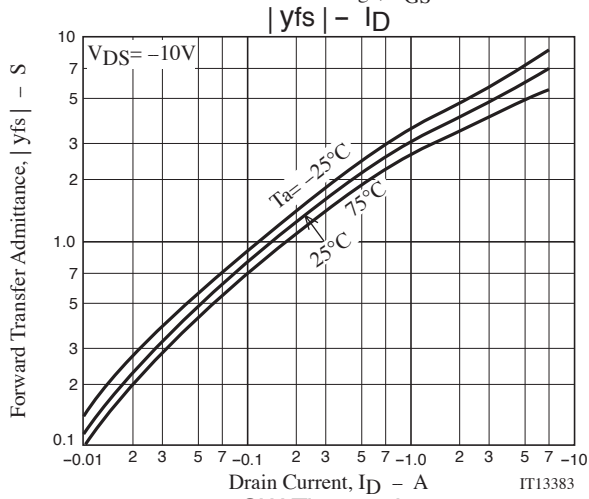
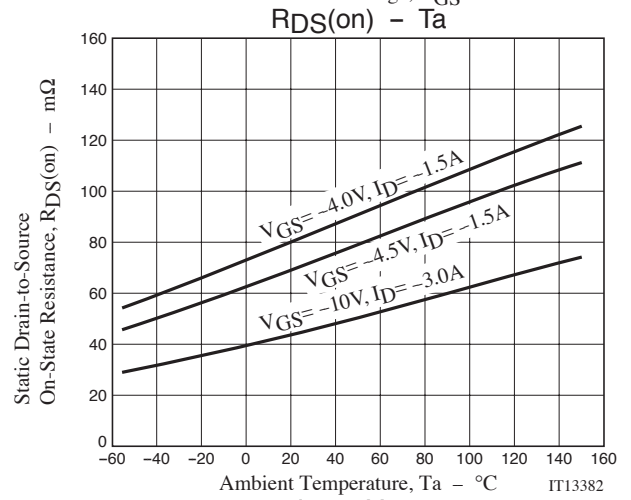
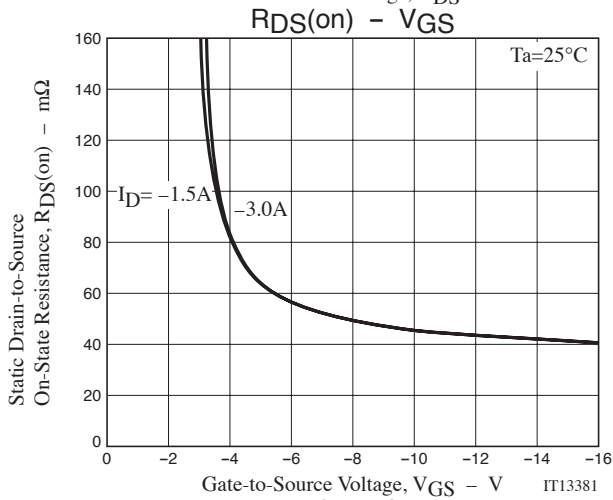
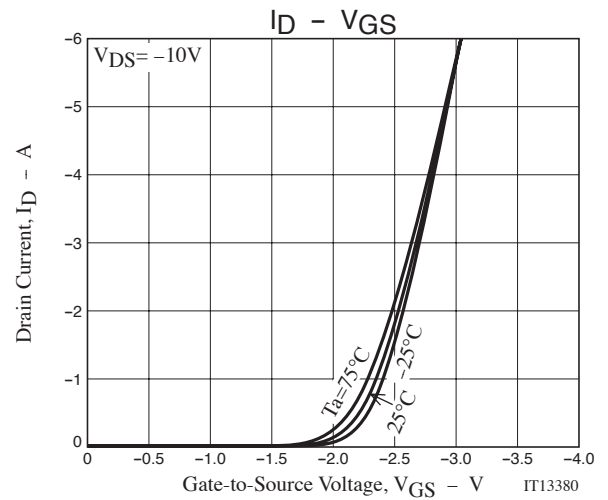
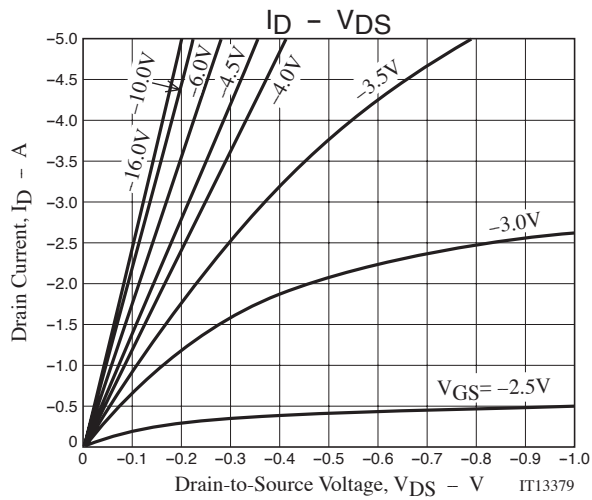
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Drain-to-Source Breakdown Voltage	$V_{(BR)DSS}$	$I_D = -1mA, V_{GS} = 0V$	-30			V
Zero-Gate Voltage Drain Current	I_{DSS}	$V_{DS} = -30V, V_{GS} = 0V$			-1	μA
Gate-to-Source Leakage Current	I_{GSS}	$V_{GS} = \pm 16V, V_{DS} = 0V$			± 10	μA
Cutoff Voltage	$V_{GS(off)}$	$V_{DS} = -10V, I_D = -1mA$	-1.2		-2.6	V
Forward Transfer Admittance	$ y_{fs} $	$V_{DS} = -10V, I_D = -3A$	2.8	4.8		S
Static Drain-to-Source On-State Resistance	$R_{DS(on)1}$	$I_D = -3A, V_{GS} = -10V$		45	59	m Ω
	$R_{DS(on)2}$	$I_D = -1.5A, V_{GS} = -4.5V$		71	100	m Ω
	$R_{DS(on)3}$	$I_D = -1.5A, V_{GS} = -4V$		82	115	m Ω
Input Capacitance	C_{iss}	$V_{DS} = -10V, f = 1MHz$		430		pF
Output Capacitance	C_{oss}			105		pF
Reverse Transfer Capacitance	C_{rss}			75		pF
Turn-ON Delay Time	$t_d(on)$	See specified Test Circuit.		7.5		ns
Rise Time	t_r			26		ns
Turn-OFF Delay Time	$t_d(off)$			45		ns
Fall Time	t_f			35		ns
Total Gate Charge	Q_g	$V_{DS} = -15V, V_{GS} = -10V, I_D = -5A$		10		nC
Gate-to-Source Charge	Q_{gs}			2.0		nC
Gate-to-Drain "Miller" Charge	Q_{gd}			2.5		nC
Diode Forward Voltage	V_{SD}	$I_S = -5A, V_{GS} = 0V$		-0.87	-1.2	V

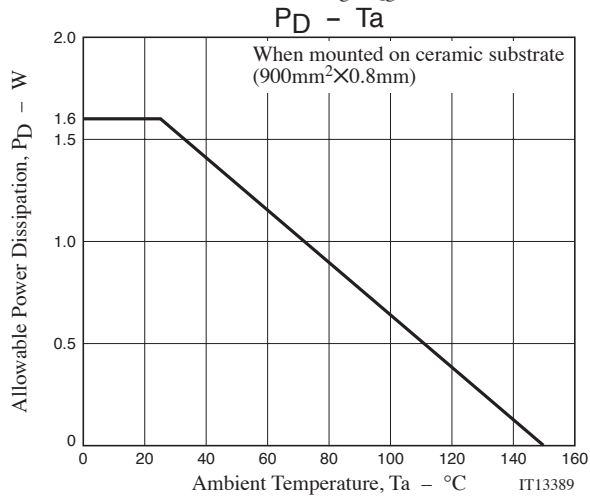
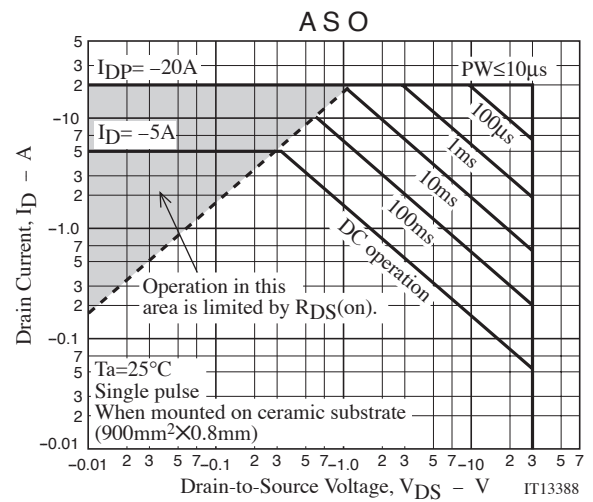
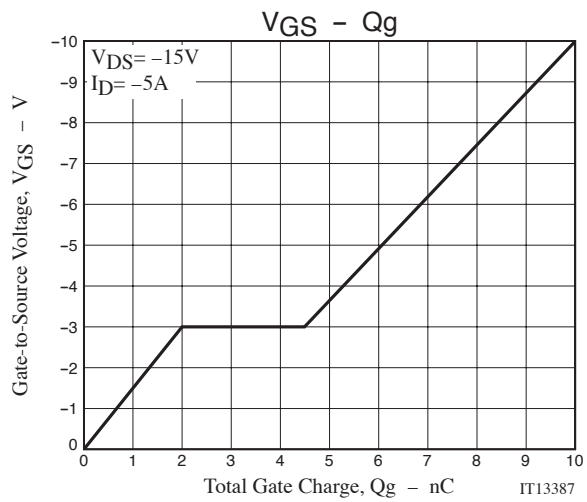
Switching Time Test Circuit



Ordering Information

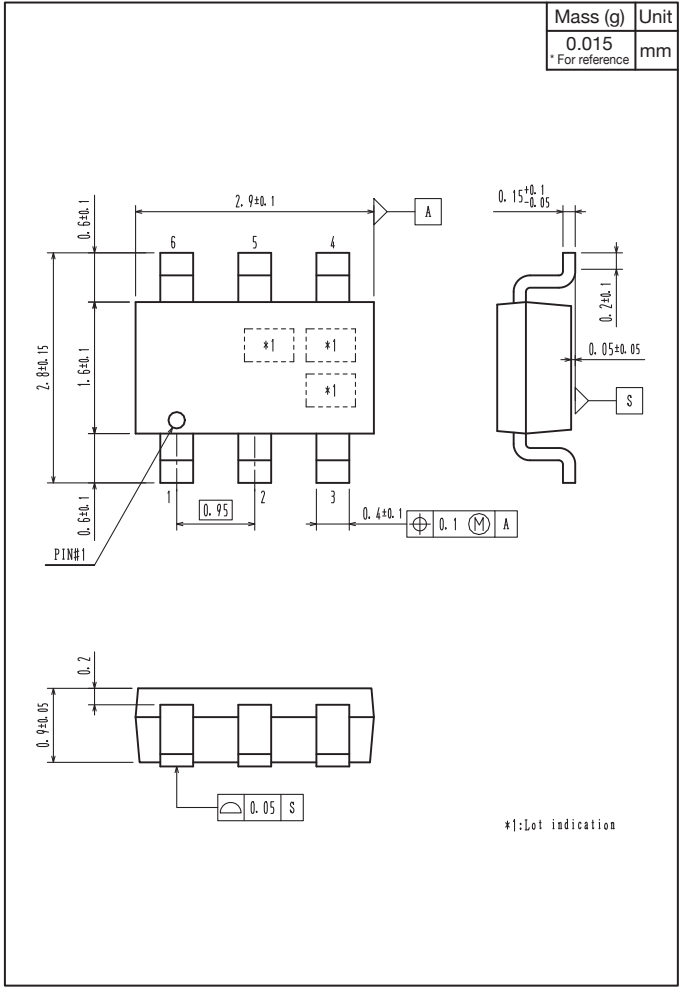
Device	Package	Shipping	memo
CPH6341-TL-E	CPH6	3,000pcs./reel	Pb-Free
CPH6341-TL-W			Pb-Free and Halogen Free



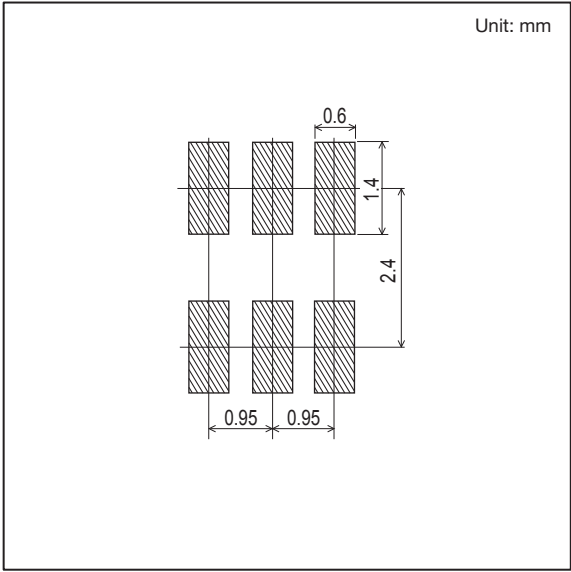


Outline Drawing

CPH6341-TL-E, CPH6341-TL-W



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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