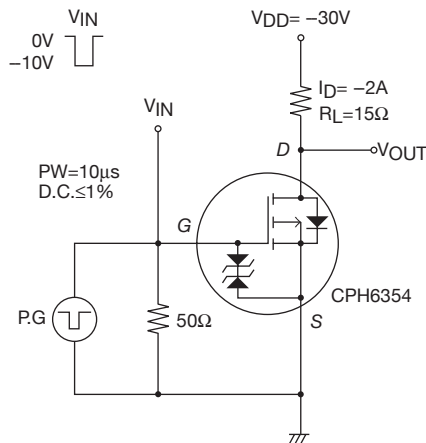


Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Value			Unit
			min	typ	max	
Drain-to-Source Breakdown Voltage	$V_{(BR)DSS}$	$I_D = -1mA, V_{GS} = 0V$	-60			V
Zero-Gate Voltage Drain Current	I_{DSS}	$V_{DS} = -60V, V_{GS} = 0V$			-1	μA
Gate-to-Source Leakage Current	I_{GSS}	$V_{GS} = \pm 16V, V_{DS} = 0V$			± 10	μA
Gate Threshold Voltage	$V_{GS(th)}$	$V_{DS} = -10V, I_D = -1mA$	-1.2		-2.6	V
Forward Transconductance	g_{FS}	$V_{DS} = -10V, I_D = -2A$		4.8		S
Static Drain-to-Source On-State Resistance	$R_{DS(on)1}$	$I_D = -2A, V_{GS} = -10V$		77	100	$m\Omega$
	$R_{DS(on)2}$	$I_D = -1A, V_{GS} = -4.5V$		96	135	$m\Omega$
	$R_{DS(on)3}$	$I_D = -1A, V_{GS} = -4V$		103	145	$m\Omega$
Input Capacitance	C_{iss}	$V_{DS} = -20V, f = 1MHz$		600		pF
Output Capacitance	C_{oss}			60		pF
Reverse Transfer Capacitance	C_{rss}			50		pF
Turn-ON Delay Time	$t_d(on)$	See specified Test Circuit.		5.8		ns
Rise Time	t_r			12		ns
Turn-OFF Delay Time	$t_d(off)$			78		ns
Fall Time	t_f			40		ns
Total Gate Charge	Q_g	$V_{DS} = -30V, V_{GS} = -10V, I_D = -4A$		14		nC
Gate-to-Source Charge	Q_{gs}			1.6		nC
Gate-to-Drain "Miller" Charge	Q_{gd}			3.4		nC
Forward Diode Voltage	V_{SD}	$I_S = -4A, V_{GS} = 0V$		-0.84	-1.2	V

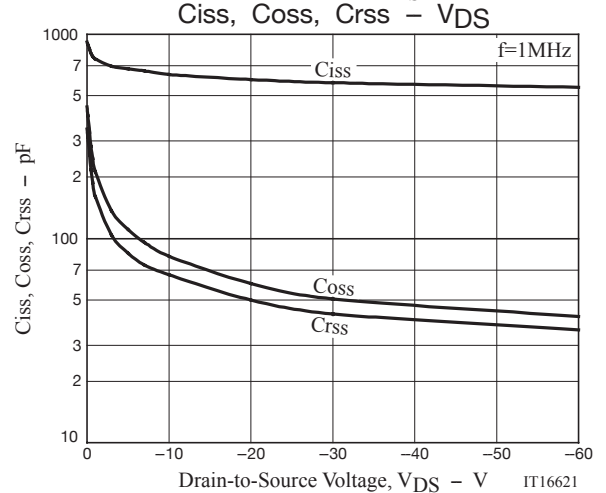
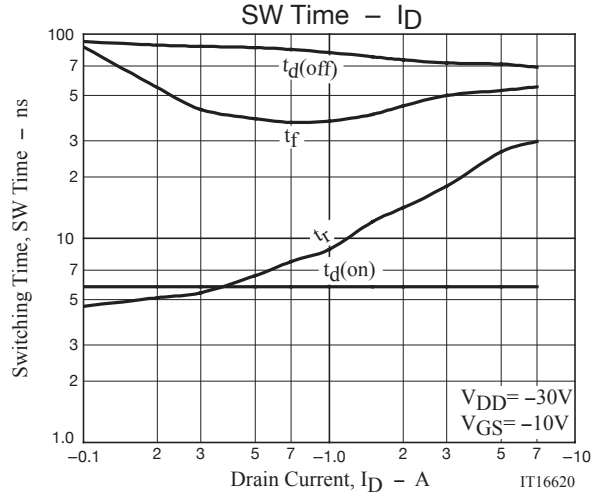
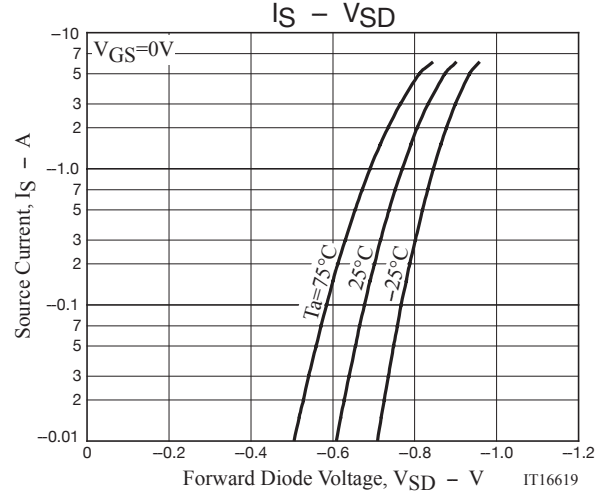
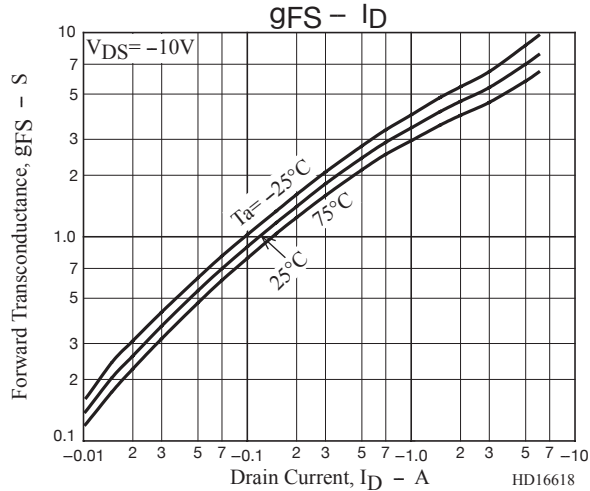
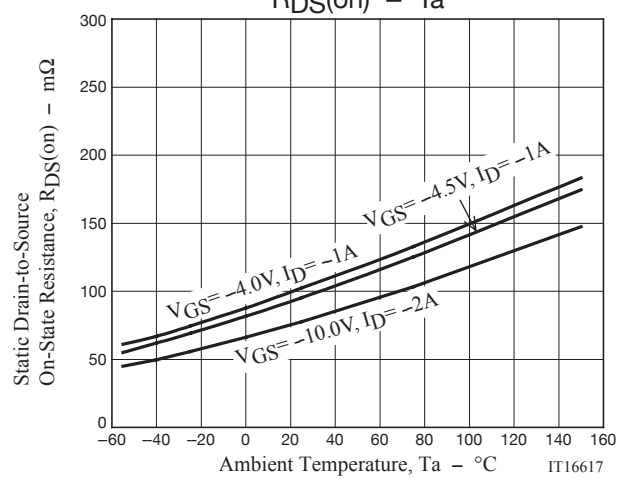
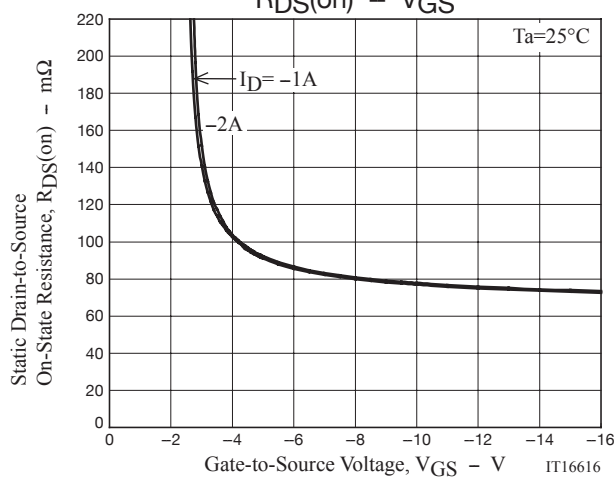
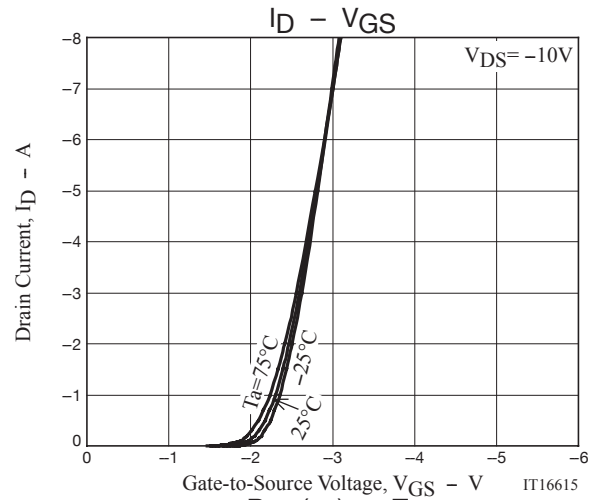
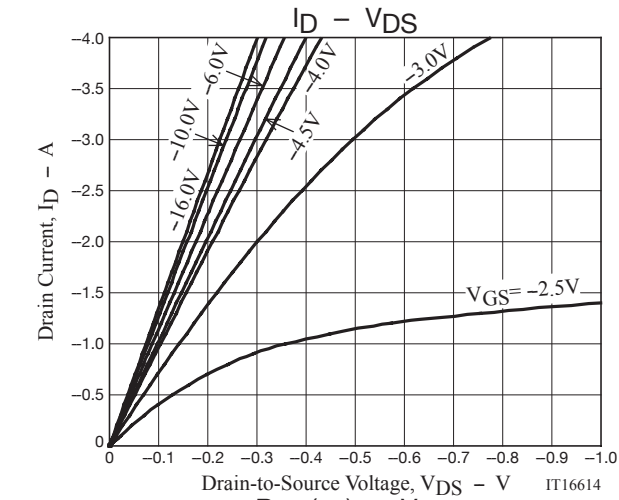
Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

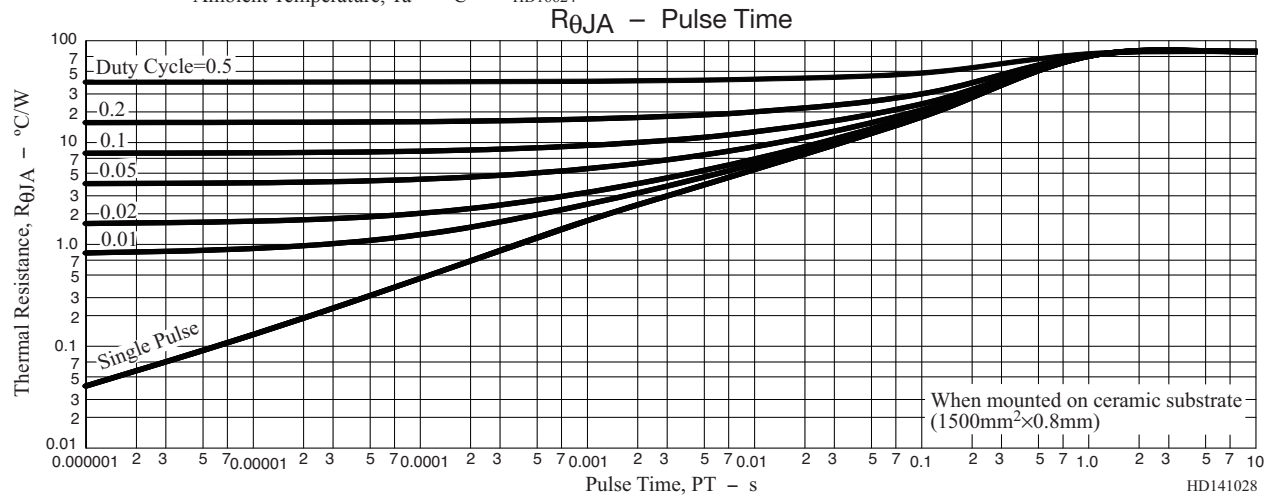
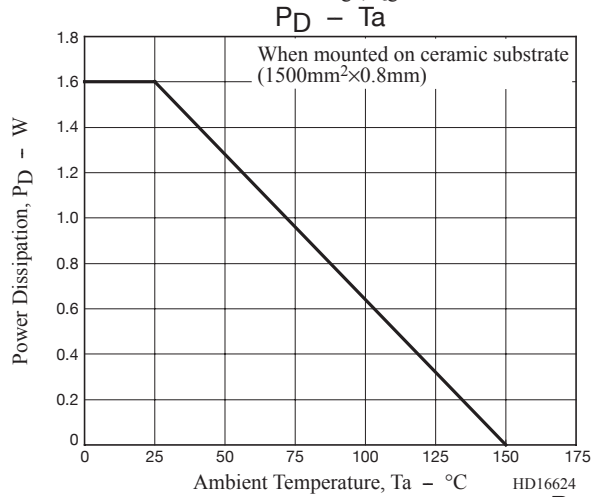
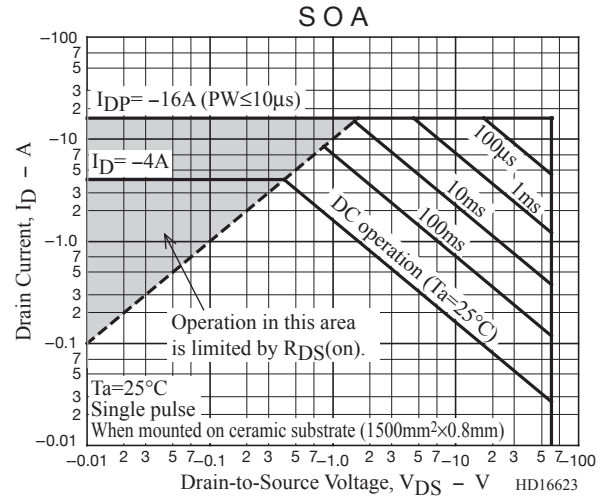
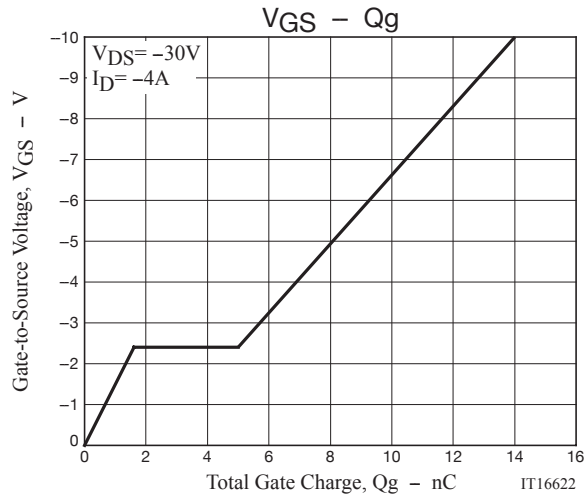
Switching Time Test Circuit



ORDERING INFORMATION

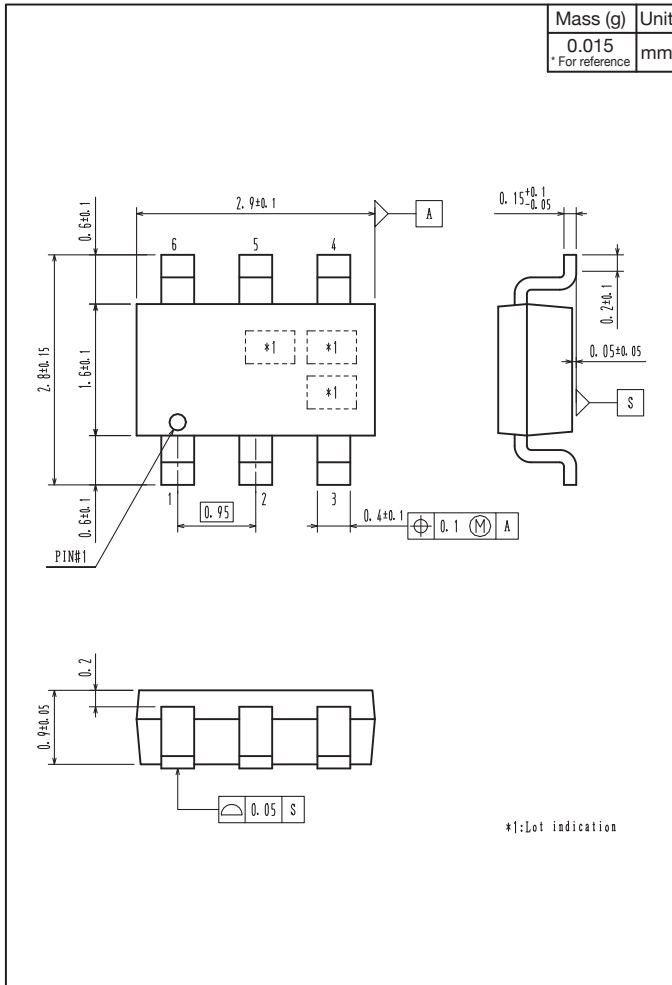
Device	Package	Shipping	memo
CPH6354-TL-H	CPH6	3,000pcs./reel	Pb-Free and Halogen Free
CPH6354-TL-W			



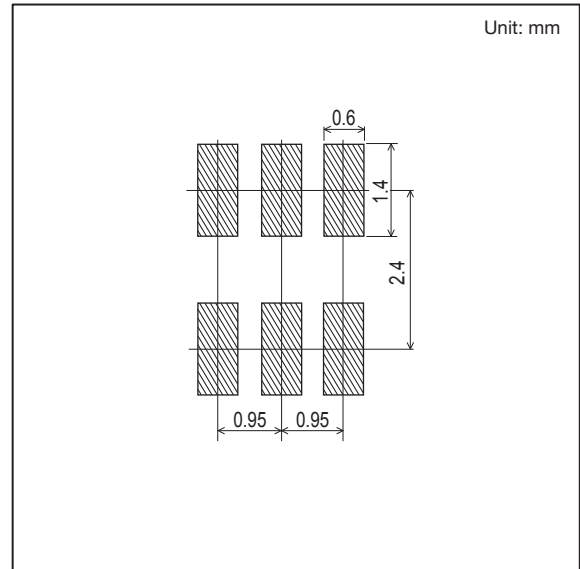


Outline Drawing

CPH6354-TL-H, CPH6354-TL-W



Land Pattern Example



Note on usage : Since the CPH6354 is a MOSFET product, please avoid using this device in the vicinity of highly charged objects.

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