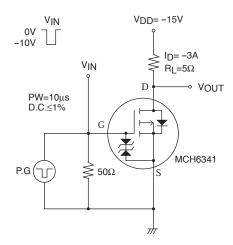
MCH6341

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
Parameter		Conditions	min	typ	max	Unit
Drain-to-Source Breakdown Voltage	V(BR)DSS	I _D =-1mA, V _{GS} =0V				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
Gate Threshold Voltage	V _{GS} (th)	V _{DS} =-10V, I _D =-1mA -1.2			-2.6	٧
Forward Transconductance	9FS	V _{DS} =-10V, I _D =-3A	2.8	4.8		S
Static Drain-to-Source On-State Resistance	RDS(on)1	I _D =-3A, V _G S=-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 =-1.5A, V _G S=-4V		82	115	$m\Omega$
Input Capacitance	Ciss			430		pF
Output Capacitance	Coss	V _{DS} =-10V, f=1MHz		105		рF
Reverse Transfer Capacitance	Crss			75		pF
Turn-ON Delay Time	t _d (on)			7.5		ns
Rise Time	t _r	Construction of Total Circuit		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
Forward Diode Voltage	V _{SD}	IS=-5A, VGS=0V		-0.87	-1.5	V

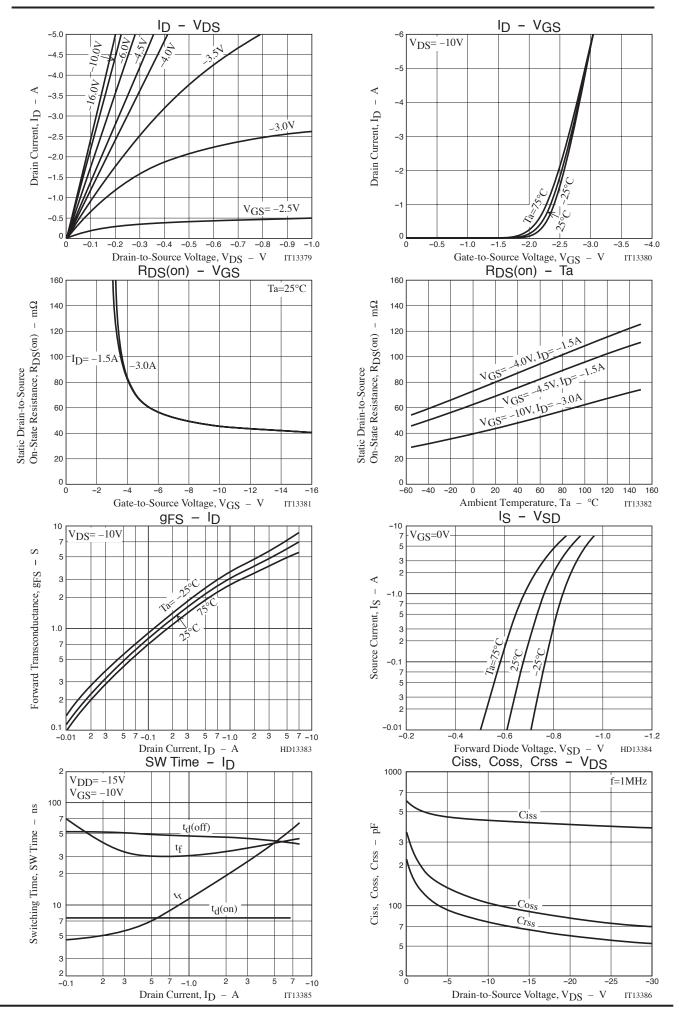
Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

Switching Time Test Circuit

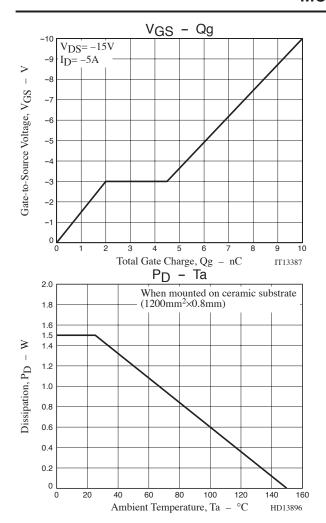


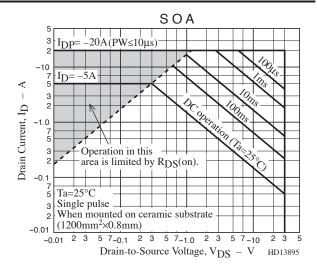
Ordering Information

Device	Package	Shipping	memo	
MCH6341-TL-E	МСРН6	3,000pcs./reel	Pb Free	
MCH6341-TL-H	MCPH6	3,000pcs./reel	Pb Free and Halogen Free	
MCH6341-TL-W	MCPH6	3,000pcs./reel	Pb Free and Halogen Free	



MCH6341

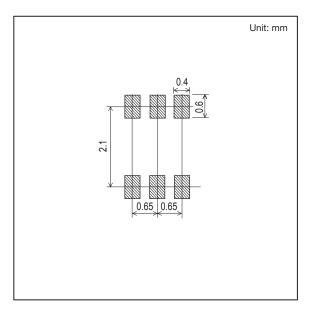




Outline Drawing

MCH6341-TL-E, MCH6341-TL-H, MCH6341-TL-W

Land Pattern Example



Note on usage: Since the MCH6341 is a MOSFET product, please avoid using this device in the vicinity of highly charged objects.

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