

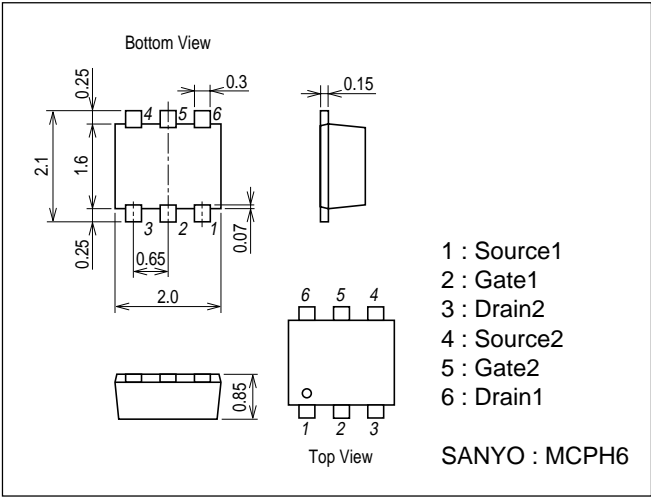
MCH6646

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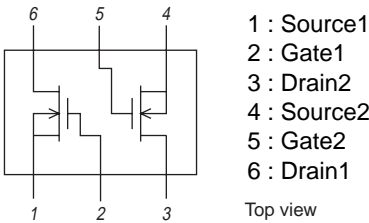
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Turn-ON Delay Time	$t_{d(on)}$	See specified Test Circuit.		7.5		ns
Rise Time	$t_r$	See specified Test Circuit.		27		ns
Turn-OFF Delay Time	$t_{d(off)}$	See specified Test Circuit.		20		ns
Fall Time	$t_f$	See specified Test Circuit.		30		ns
Total Gate Charge	$Q_g$	$V_{DS}=10V, V_{GS}=4V, I_D=2A$		1.78		nC
Gate-to-Source Charge	$Q_{gs}$	$V_{DS}=10V, V_{GS}=4V, I_D=2A$		0.34		nC
Gate-to-Drain "Miller" Charge	$Q_{gd}$	$V_{DS}=10V, V_{GS}=4V, I_D=2A$		0.48		nC
Diode Forward Voltage	$V_{SD}$	$I_S=2A, V_{GS}=0$		0.86	1.2	V

Package Dimensions

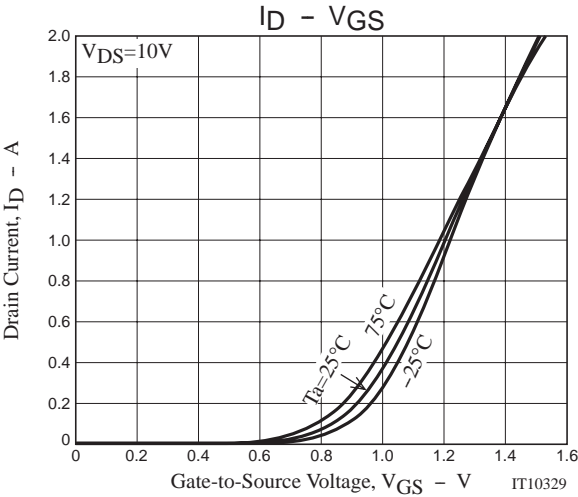
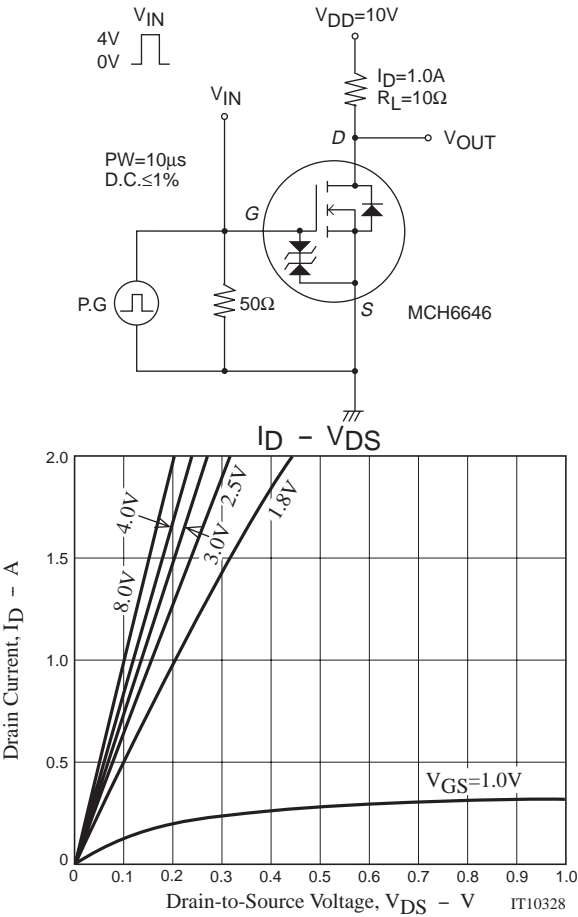
unit : mm  
7022-006

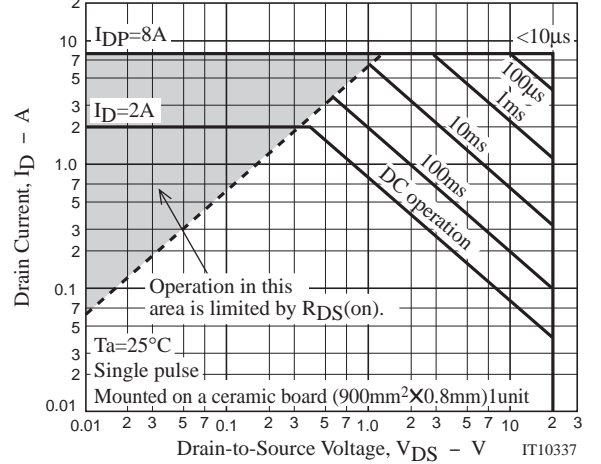
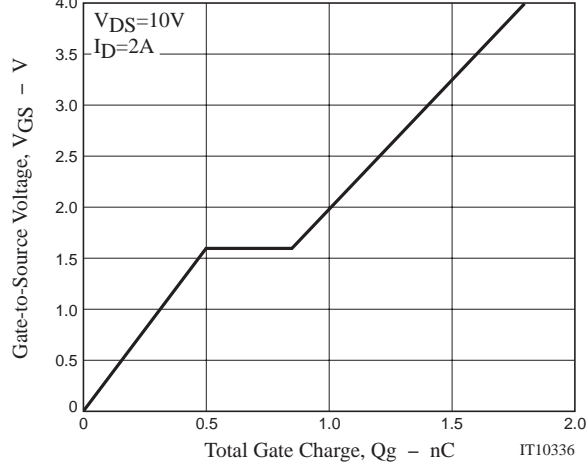
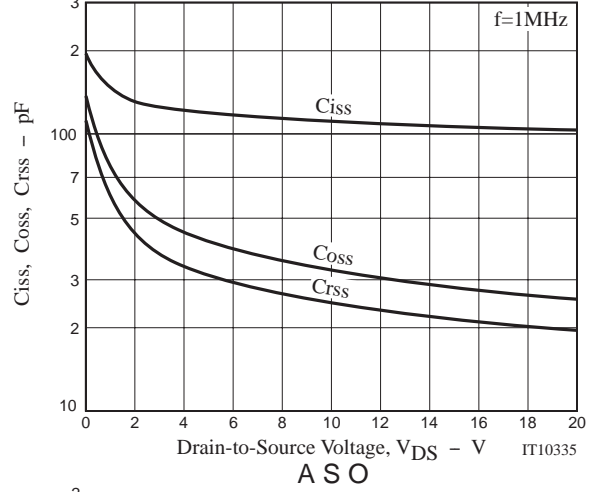
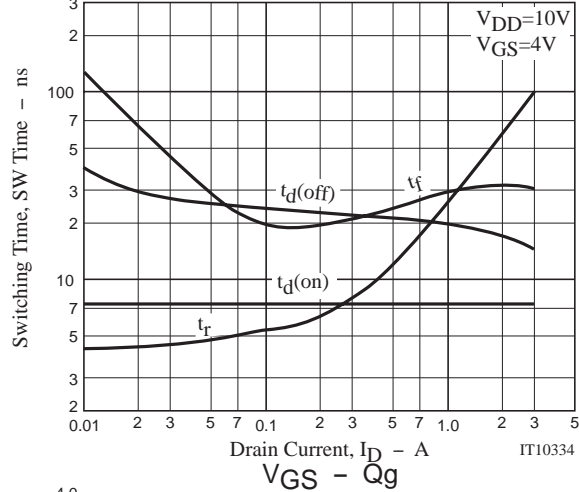
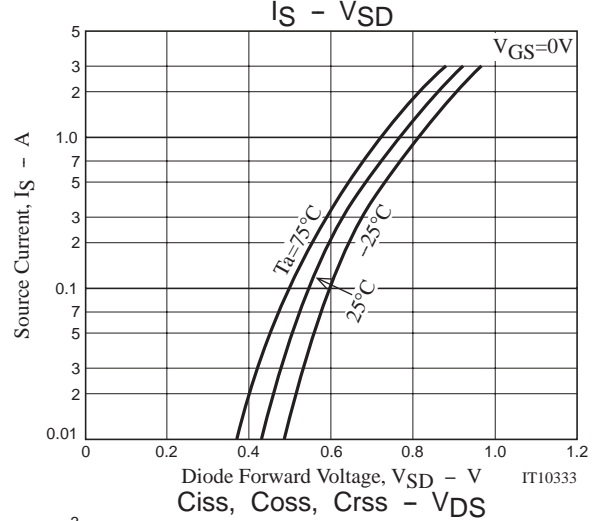
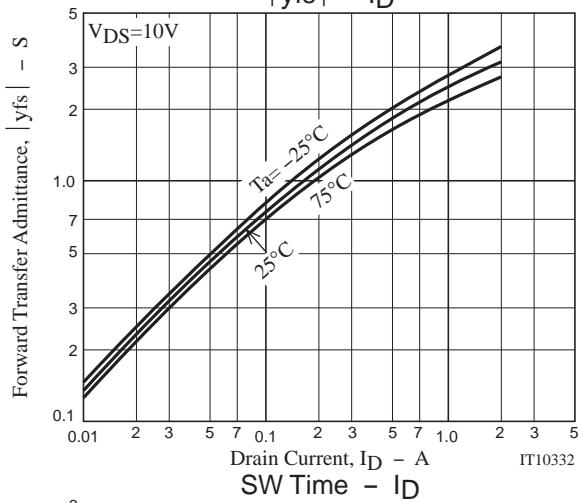
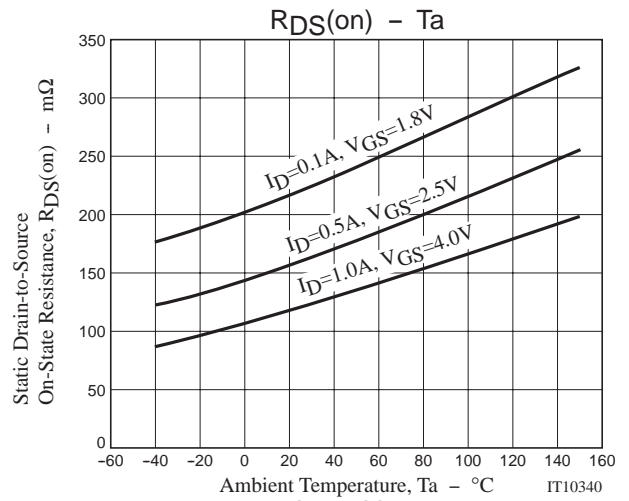
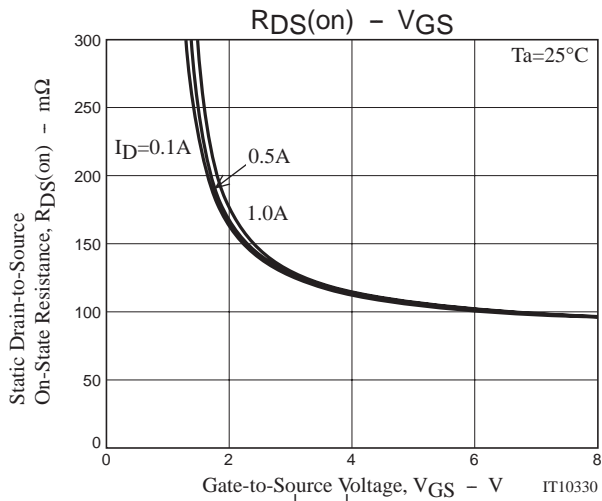


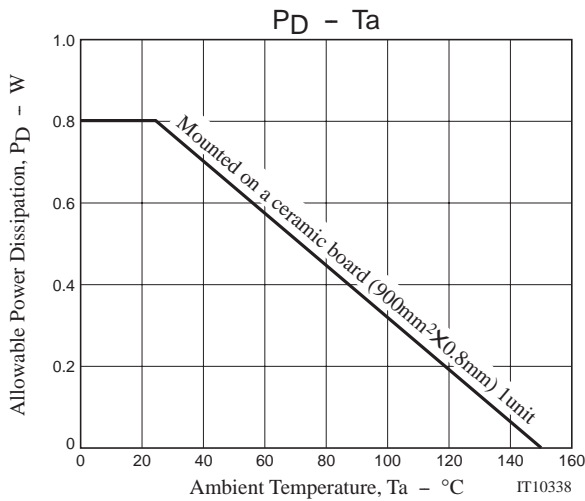
Electrical Connection



Switching Time Test Circuit







Note on usage : Since the MCH6646 is a MOSFET product, please avoid using this device in the vicinity of highly charged objects.

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