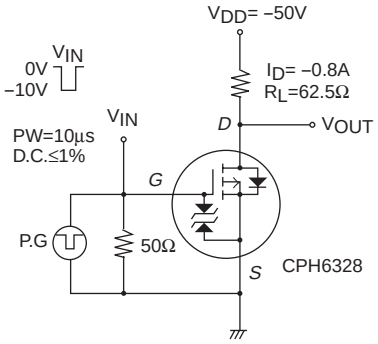
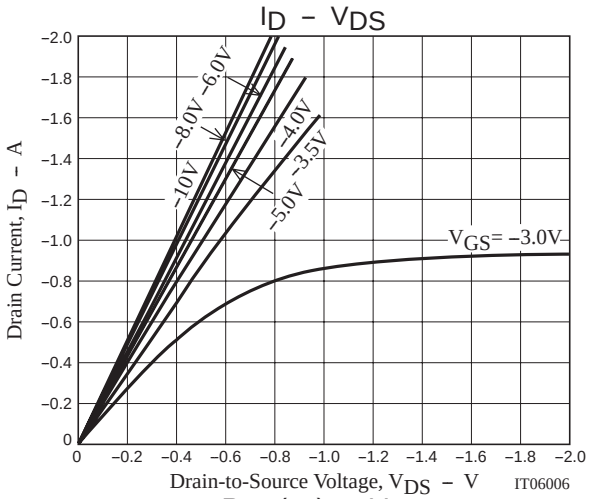
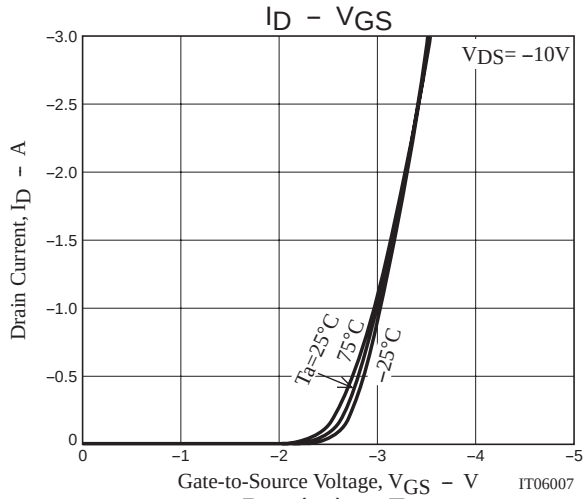
Continued from preceding page.

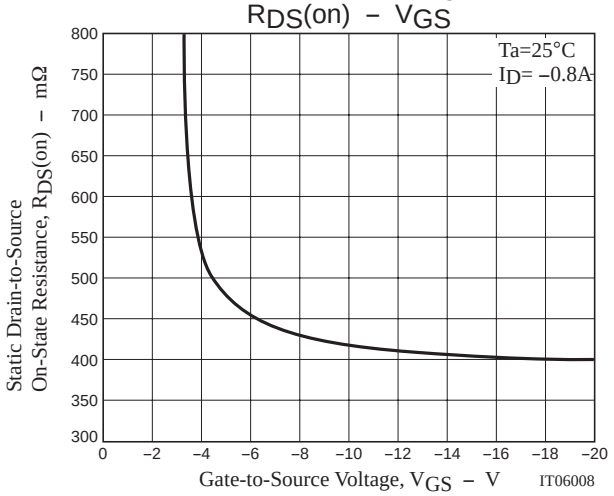
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Input Capacitance	Ciss	V_{DS}=–20V, f=1MHz		535		pF
Output Capacitance	Coss	V_{DS}=–20V, f=1MHz		43		pF
Reverse Transfer Capacitance	Crss	V_{DS}=–20V, f=1MHz		31		pF
Turn-ON Delay Time	t_{d}(on)	See specified Test Circuit.		9		ns
Rise Time	t_{r}	See specified Test Circuit.		5		ns
Turn-OFF Delay Time	t_{d}(off)	See specified Test Circuit.		62		ns
Fall Time	t_{f}	See specified Test Circuit.		34		ns
Total Gate Charge	Qg	V_{DS}=–50V, V_{GS}=–10V, I_{D}=–1.6A		11		nC
Gate-to-Source Charge	Qgs	V_{DS}=–50V, V_{GS}=–10V, I_{D}=–1.6A		2.6		nC
Gate-to-Drain “Miller” Charge	Qgd	V_{DS}=–50V, V_{GS}=–10V, I_{D}=–1.6A		2		nC
Diode Forward Voltage	V_{SD}	I_{S}=–1.6A, V_{GS}=0		–0.83	–1.2	V

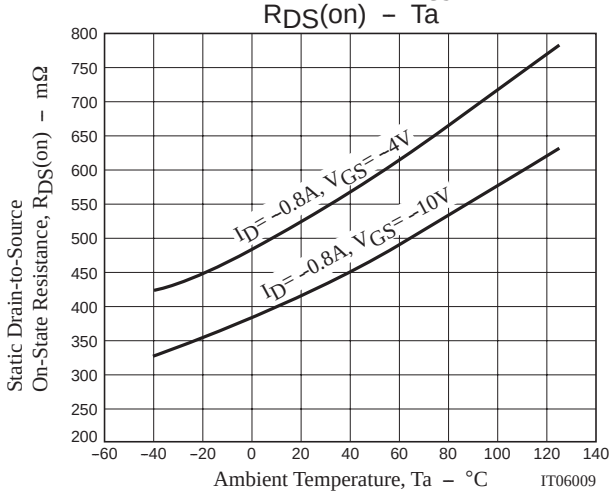
Switching Time Test Circuit

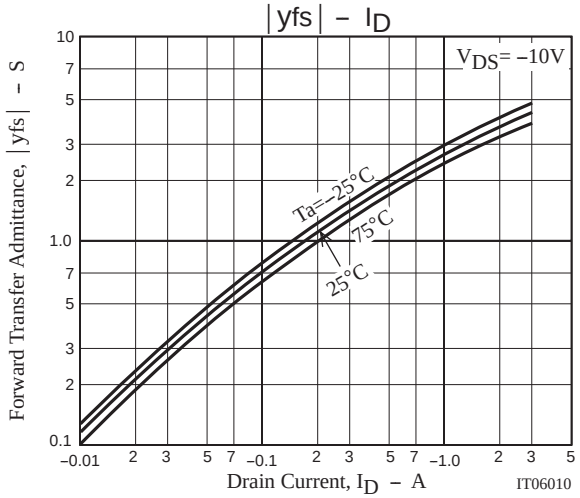


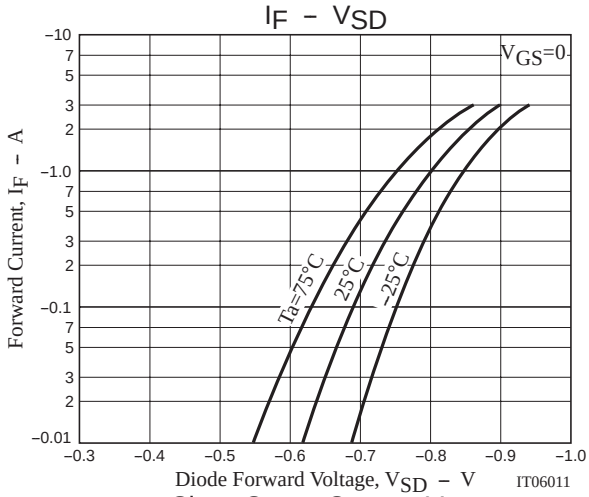


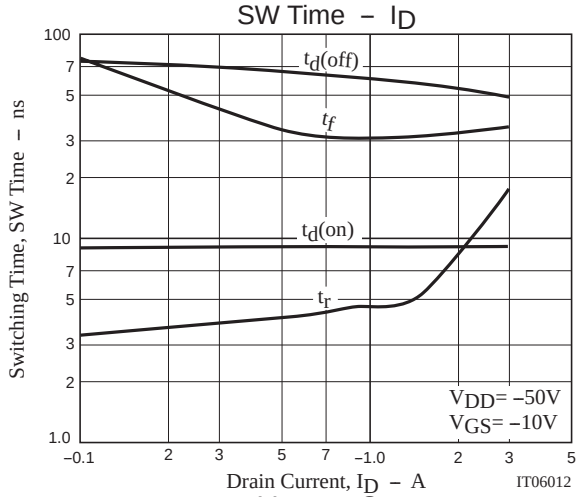


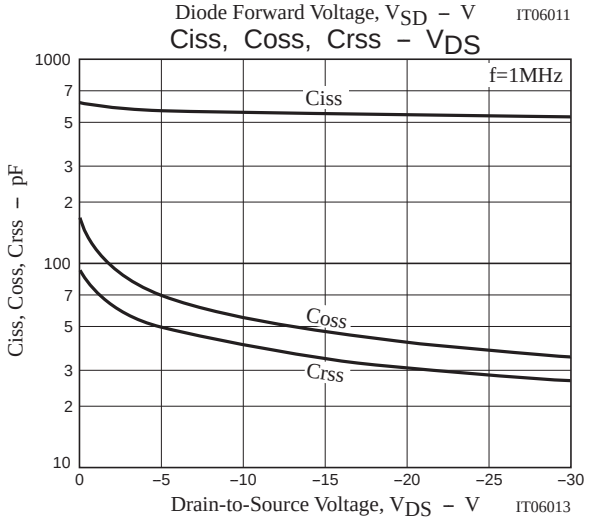


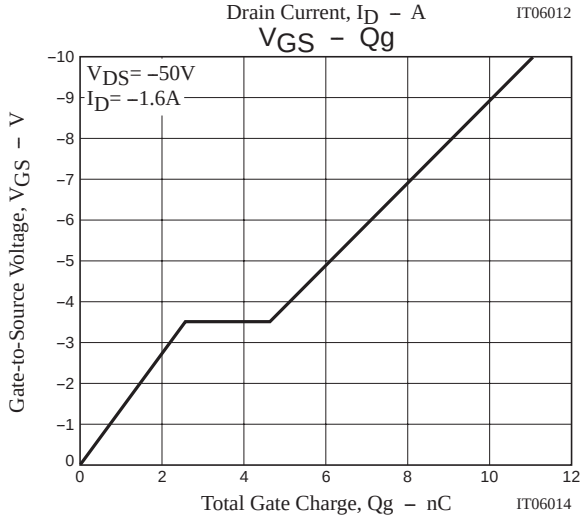


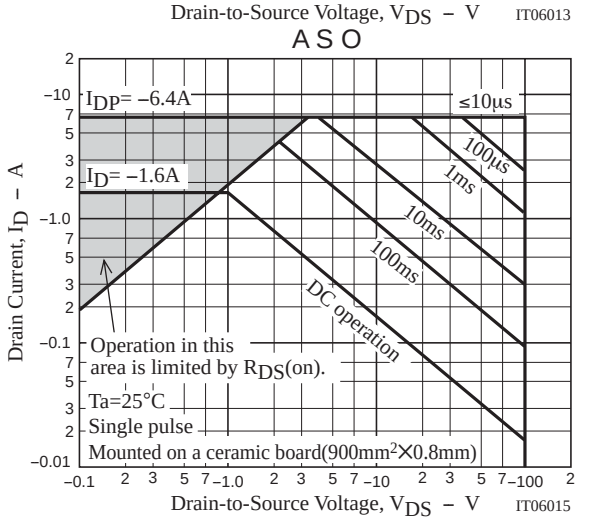


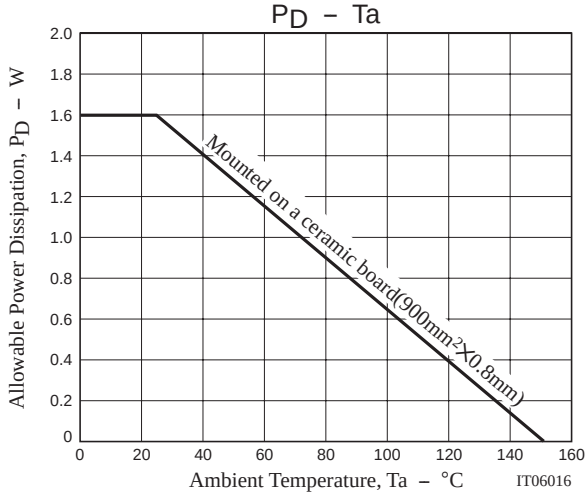












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