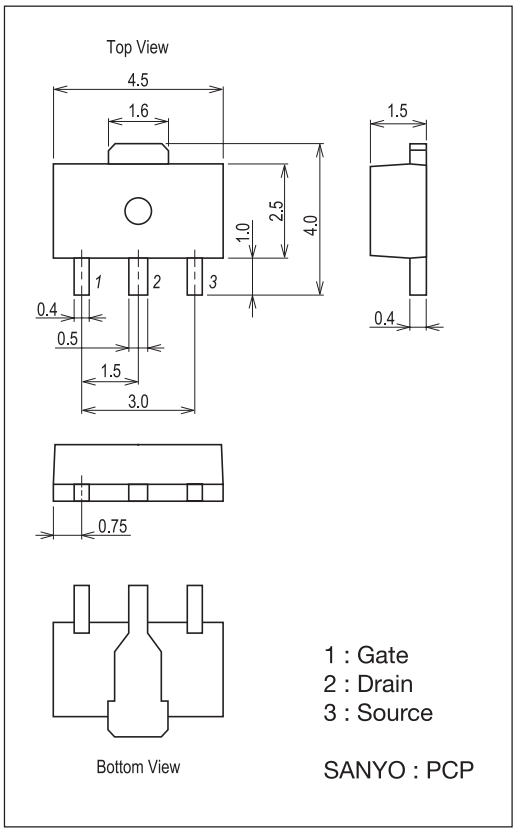
Continued from preceding page.

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Input Capacitance	Ciss	V_{DS}=–10V, f=1MHz		510		pF
Output Capacitance	Coss	V_{DS}=–10V, f=1MHz		115		pF
Reverse Transfer Capacitance	Crss	V_{DS}=–10V, f=1MHz		78		pF
Turn-ON Delay Time	t_d(on)	See specified Test Circuit.		11		ns
Rise Time	t_r	See specified Test Circuit.		12		ns
Turn-OFF Delay Time	t_d(off)	See specified Test Circuit.		34		ns
Fall Time	t_f	See specified Test Circuit.		23.5		ns
Total Gate Charge	Qg	V_{DS}=–10V, V_{GS}=–10V, I_D=–6A		11		nC
Gate-to-Source Charge	Qgs	V_{DS}=–10V, V_{GS}=–10V, I_D=–6A		2.4		nC
Gate-to-Drain “Miller” Charge	Qgd	V_{DS}=–10V, V_{GS}=–10V, I_D=–6A		1.7		nC
Diode Forward Voltage	V_{SD}	I_S=–6A, V_{GS}=0V		–0.9	–1.5	V

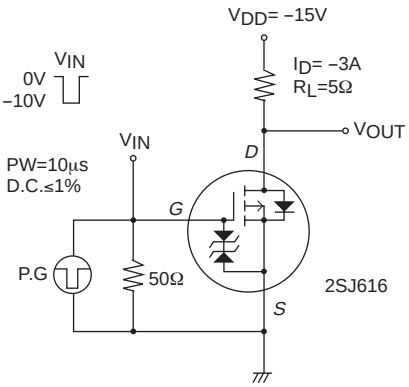
Package Dimensions

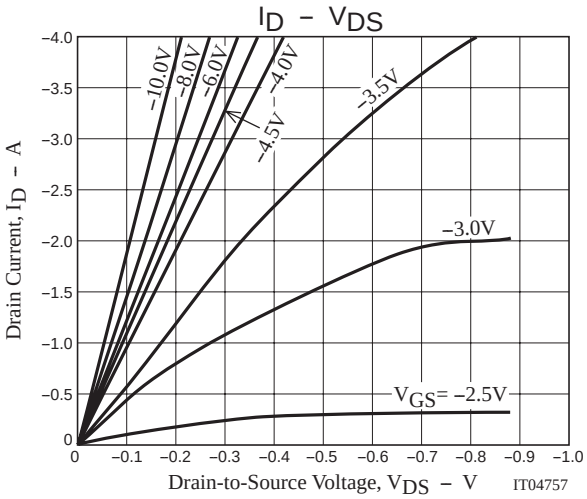
unit : mm (typ)

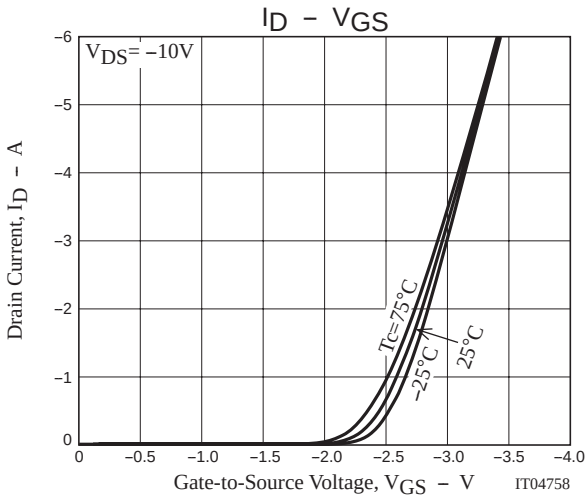
7007B-003



Switching Time Test Circuit







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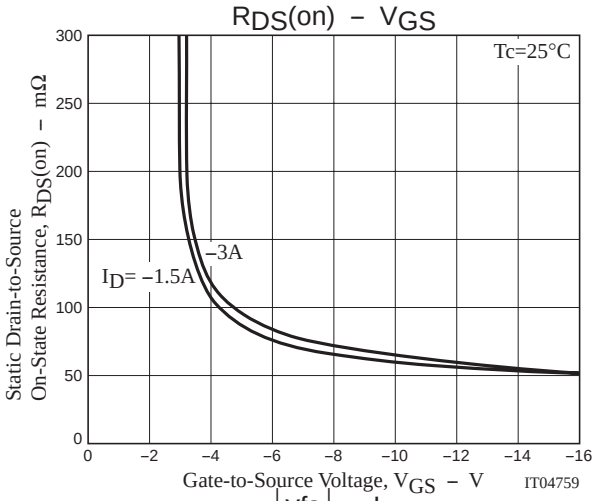

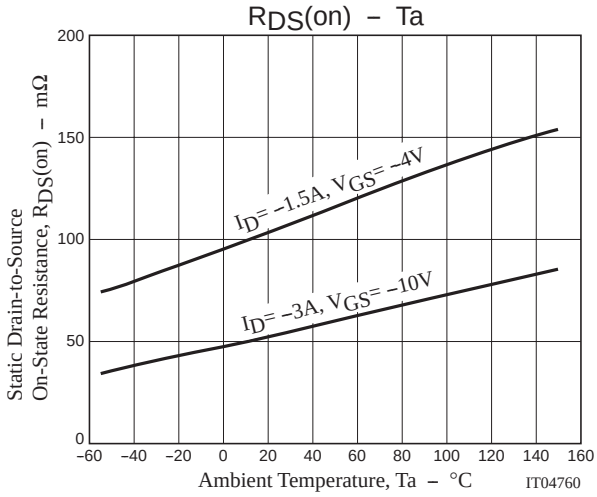

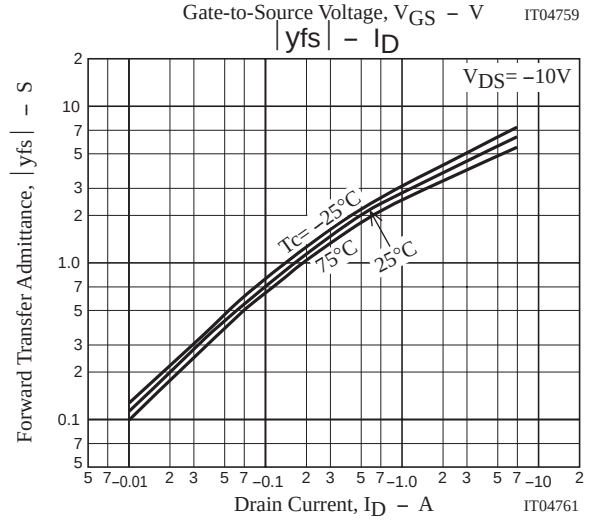

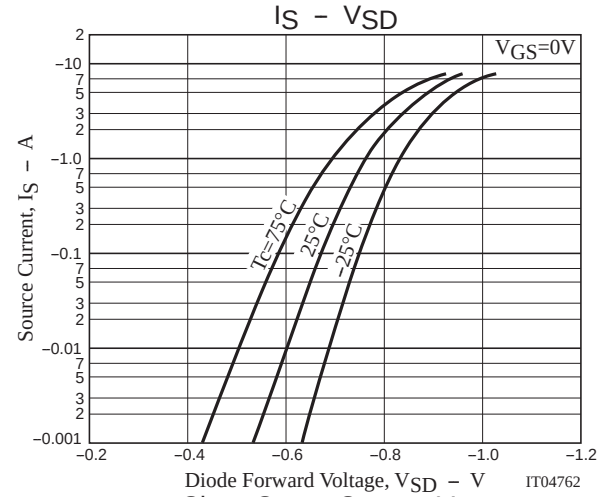

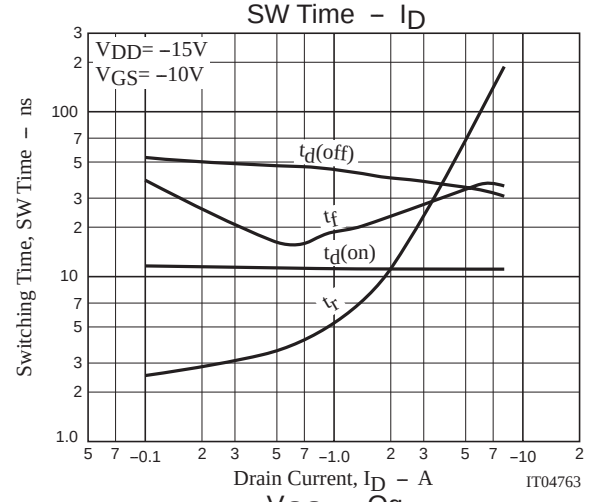

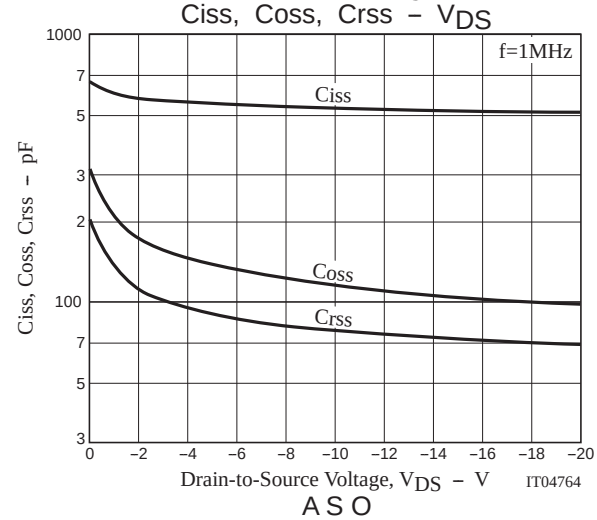

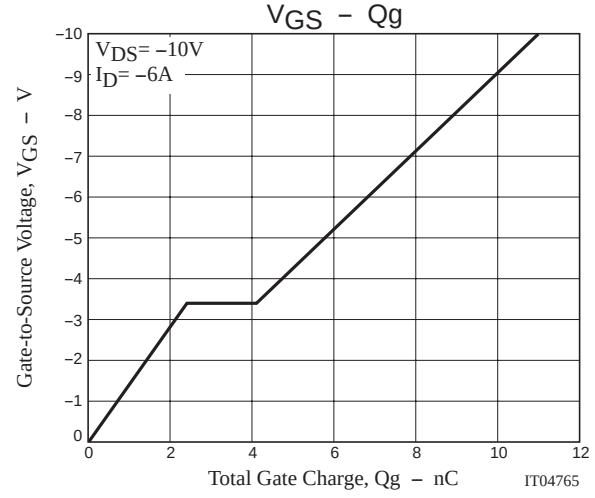

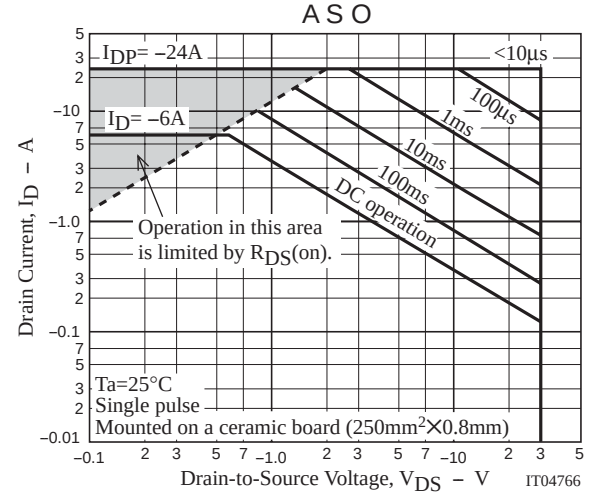

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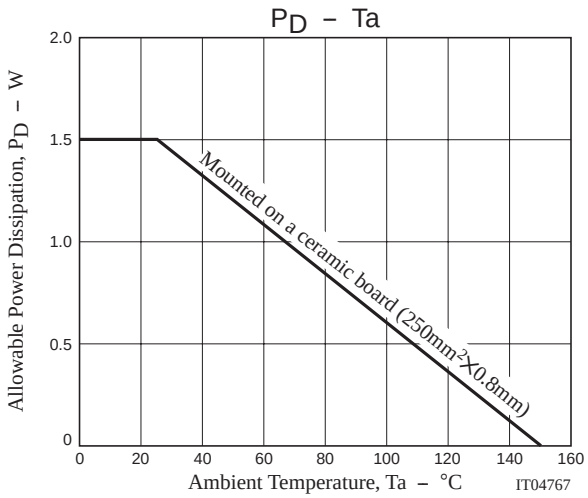

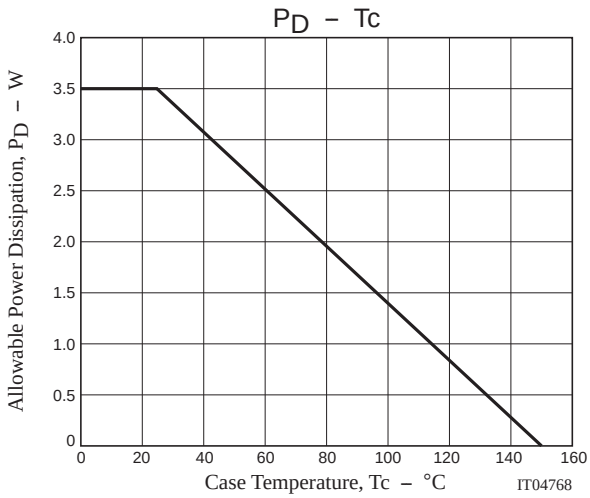

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