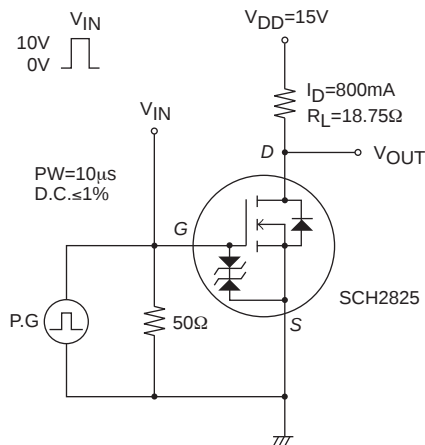


SCH2825

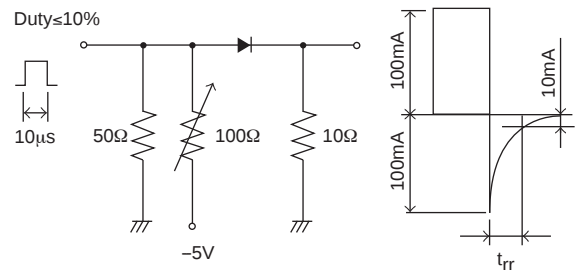
Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
[MOSFET]						
Drain to Source Breakdown Voltage	V(BR)DSS	ID=1mA, VGS=0V	30			V
Zero-Gate Voltage Drain Current	IDSS	VDS=30V, VGS=0V			1	μA
Gate to Source Leakage Current	IGSS	VGS=±16V, VDS=0V			±10	μA
Cutoff Voltage	VGS(off)	VDS=10V, ID=1mA	1.2		2.6	V
Forward Transfer Admittance	yfs	VDS=10V, ID=800mA	0.6	1.0		S
Static Drain to Source On-State Resistance	RDS(on)1	ID=800mA, VGS=10V		135	180	mΩ
	RDS(on)2	ID=400mA, VGS=4V		230	330	mΩ
Input Capacitance	Ciss	VDS=10V, f=1MHz		88		pF
Output Capacitance	Coss			19		pF
Reverse Transfer Capacitance	Crss			11		pF
Turn-ON Delay Time	tD(on)	See specified Test Circuit.		3.4		ns
Rise Time	tR			3.5		ns
Turn-OFF Delay Time	tD(off)			10.6		ns
Fall Time	tF			4.0		ns
Total Gate Charge	Qg	VDS=10V, VGS=10V, ID=1.6A		2.0		nC
Gate to Source Charge	Qgs			0.33		nC
Gate to Drain “Miller” Charge	Qgd			0.29		nC
Diode Forward Voltage	VSD	IS=1.6A, VGS=0V		0.82	1.2	V
[SBD]						
Reverse Voltage	VR	IR=0.5mA	30			V
Forward Voltage	VF	IF=0.5A		0.42	0.48	V
Reverse Current	IR	VR=15V			120	μA
Interterminal Capacitance	C	VR=10V, f=1MHz		13		pF
Reverse Recovery Time	tRR	IF=IR=100mA, See specified Test Circuit.			10	ns

Switching Time Test Circuit (MOSFET)

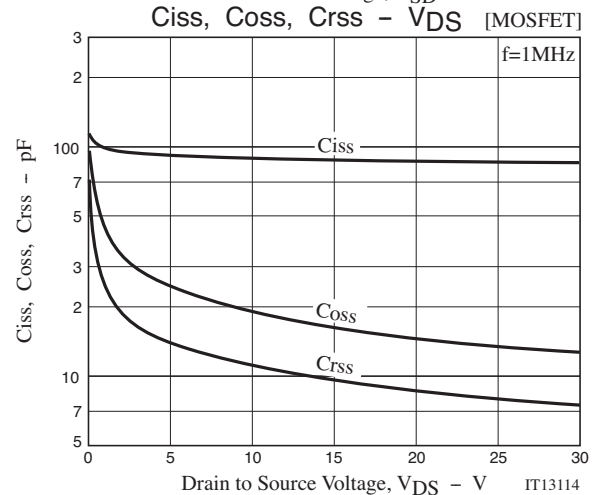
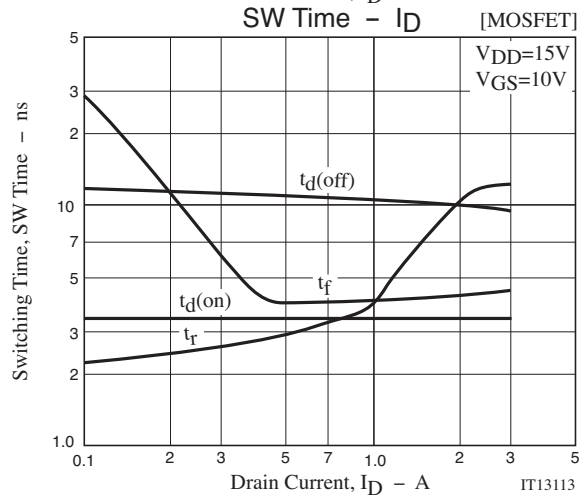
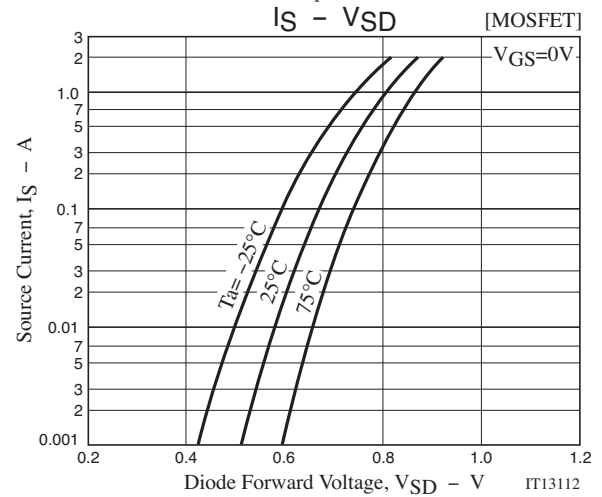
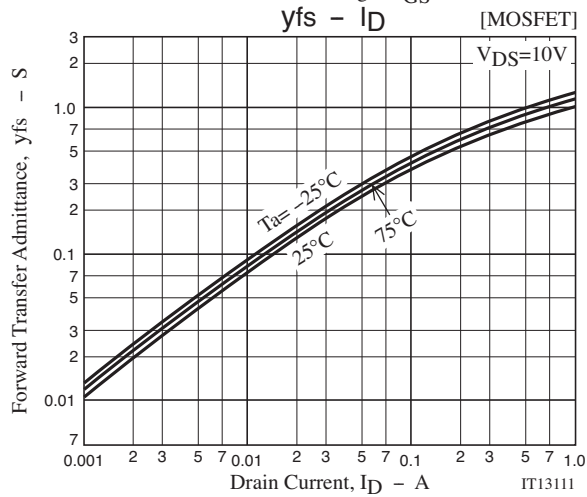
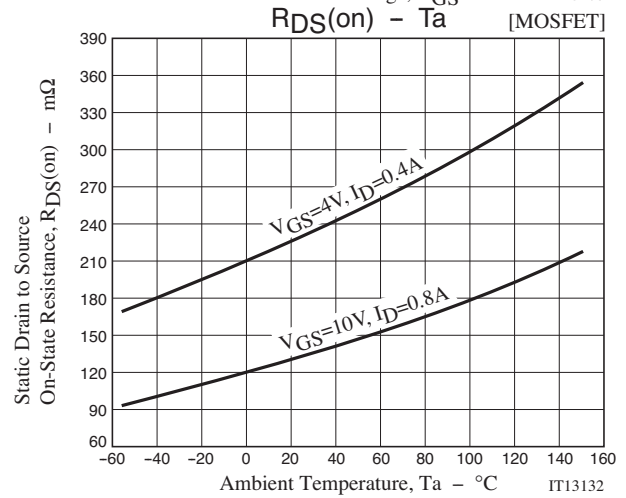
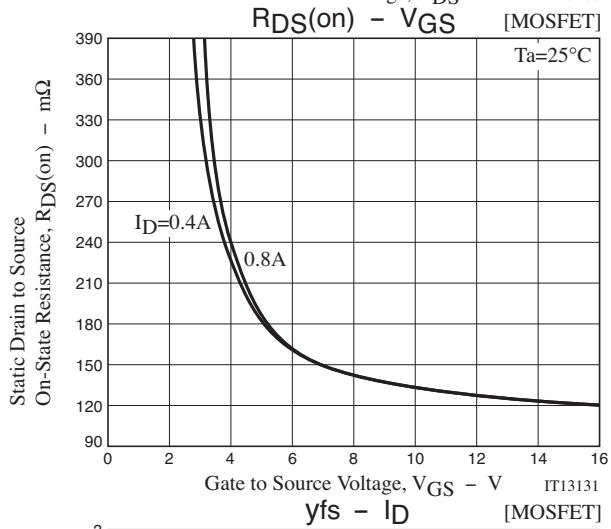
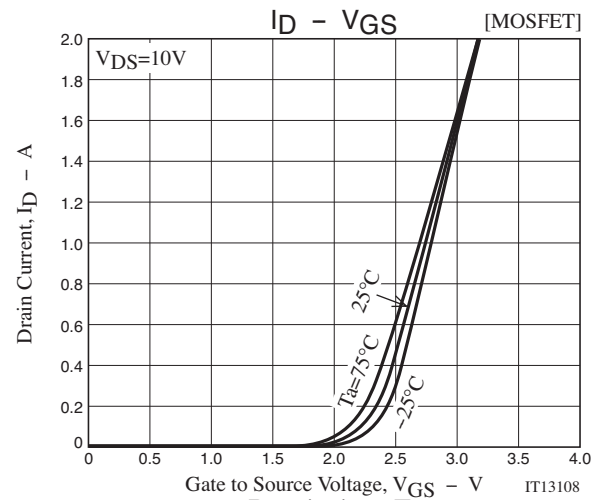
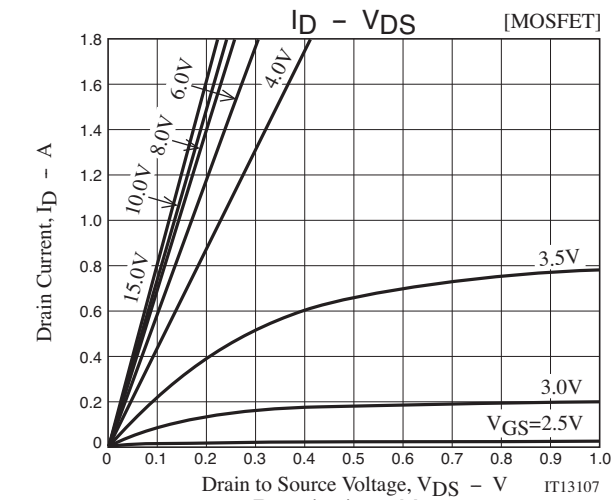


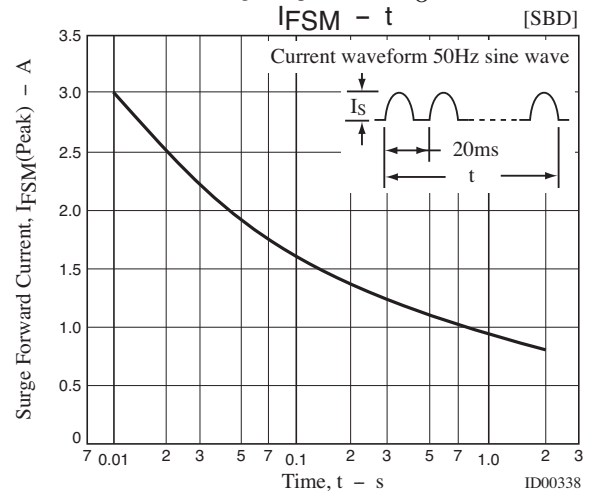
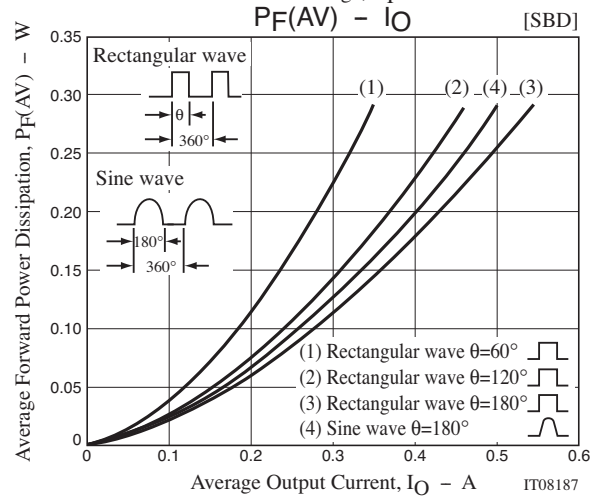
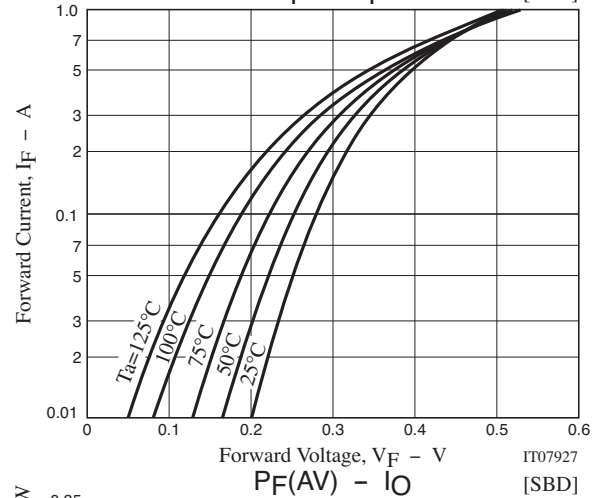
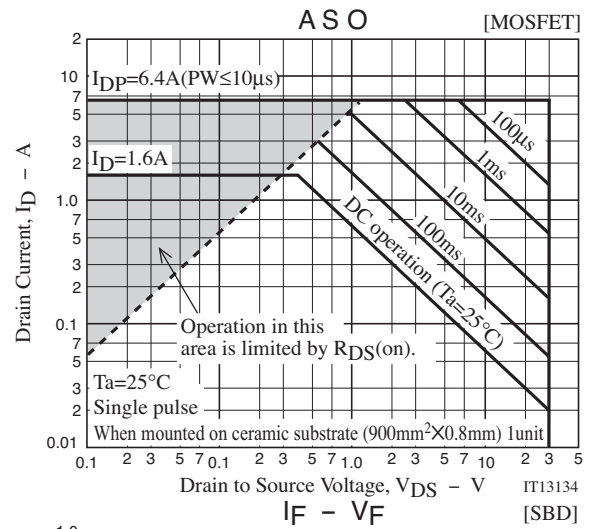
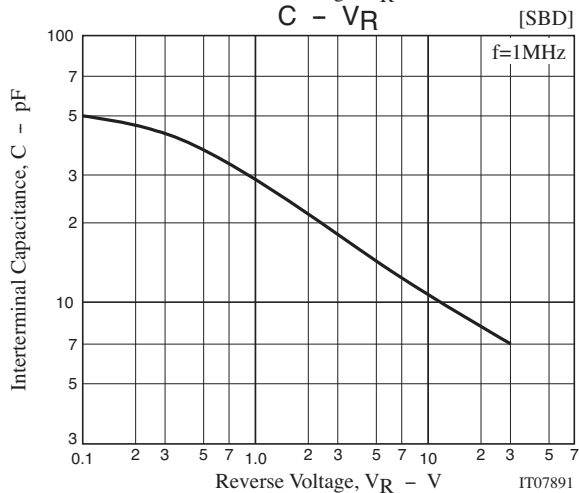
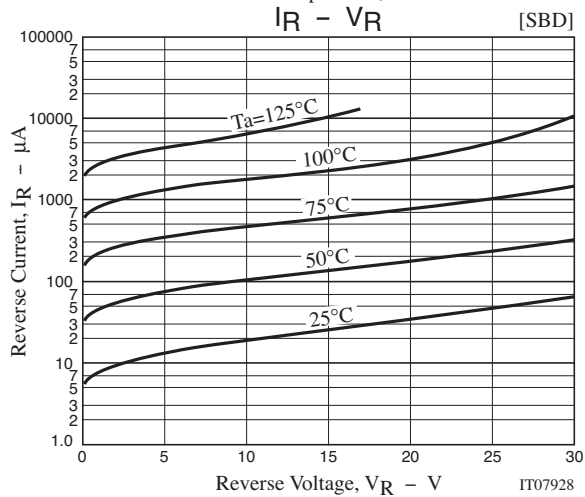
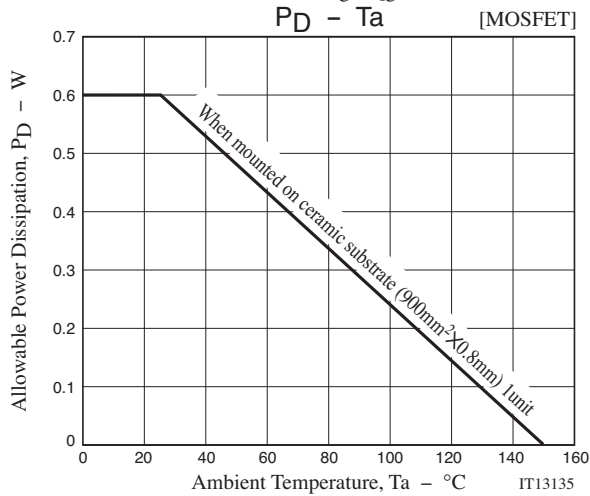
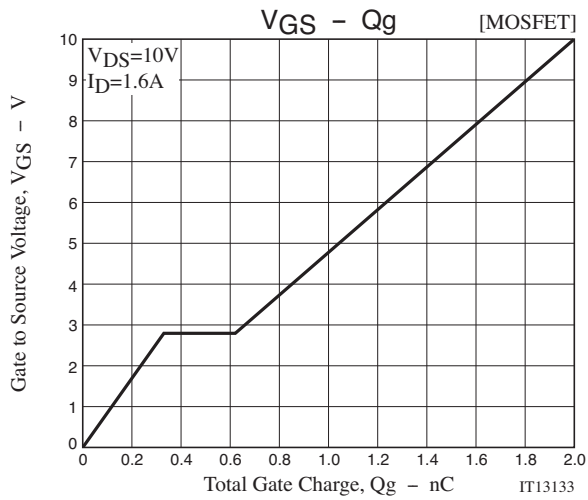
t_{rr} Test Circuit (SBD)



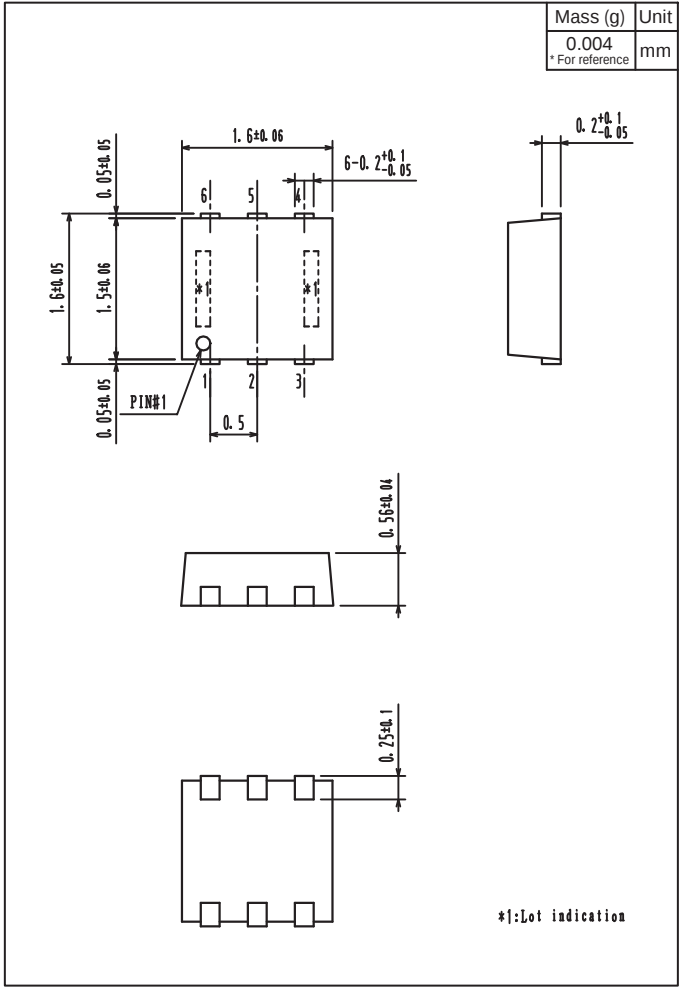
Ordering Information

Device	Package	Shipping	memo
SCH2825-TL-E	SCH6	5,000pcs./reel	Pb Free

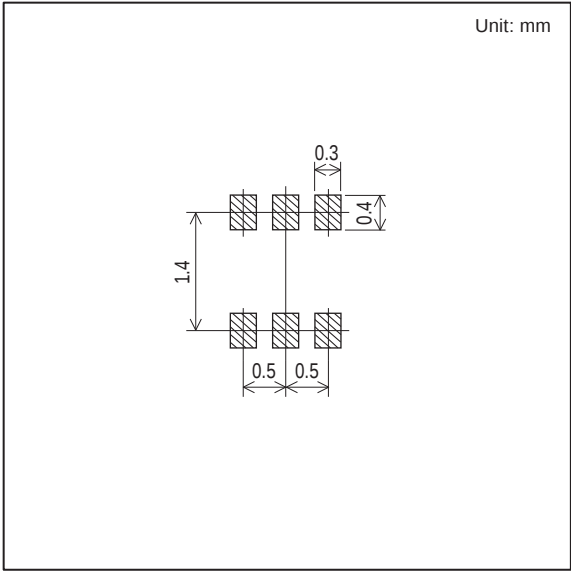




Outline Drawing
SCH2825-TL-E



Land Pattern Example



Note on usage : Since the SCH2825 is a MOSFET product, please avoid using this device in the vicinity of highly charged objects.

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