



V_{DS}	60V
I_D	5.0A
$R_{DS(ON)}$ (at $V_{GS}= 10V$)	4.4 m o h m
$R_{DS(ON)}$ (at $V_{GS}= 4.5V$)	4.9 m o h m

Trench Power MV MOSFET technology
High density cell design for Low $R_{DS(ON)}$
High Speed switching
Moisture Sensitivity Level 3
Epoxy Meets UL 94 V-0 Flammability Rating
Halogen Free

Battery protection
Load switch
Power management

($T_A=25$ unless otherwise noted)

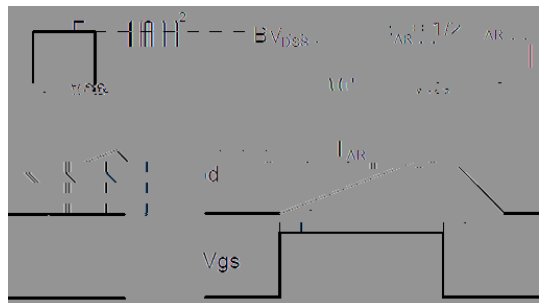
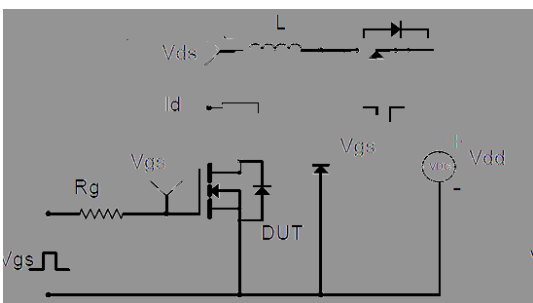
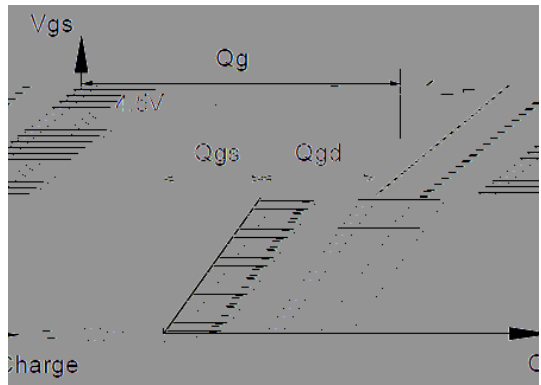
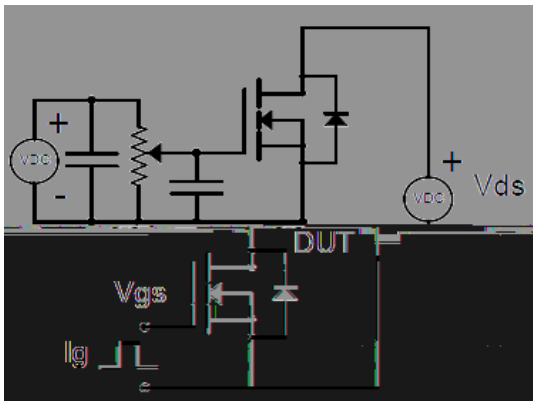
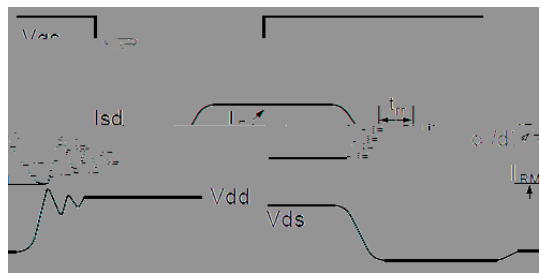
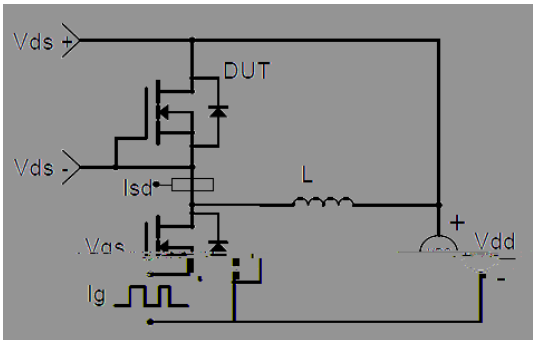
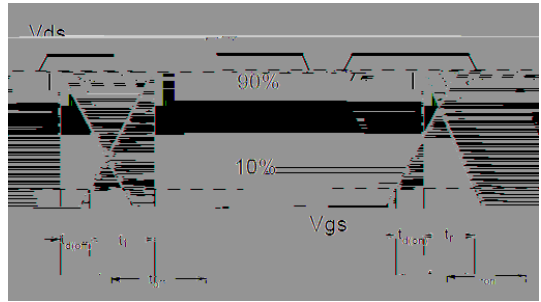
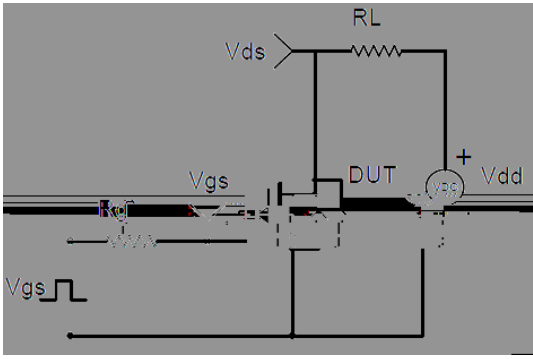
Drain-source Voltage		V_{DS}	60	V
Gate-source Voltage		V_{GS}	± 20	V
Drain Current	$T_A=25$ @ Steady State	I_D	5.0	A
	$T_A=70$ @ Steady State		4.0	
Pulsed Drain Current ^A		I_{DM}	25	A
Total Power Dissipation @ $T_A=25$		P_D	2.5	W
Thermal Resistance Junction-to-Ambient @ Steady State ^B		R_{JA}	50	/ W
Junction and Storage Temperature Range		T_J, T_{STG}	-55 +150	

YJM05N06A	F2	6005	2500	/	40000	13" reel
			2500	5000	25000	13" reel



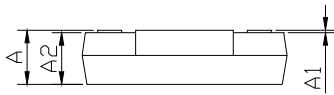
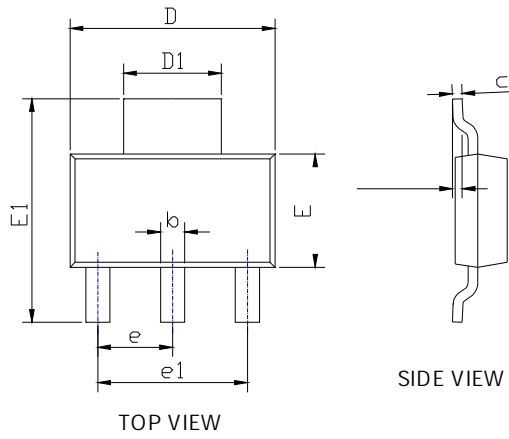
)LJXUH 6DIH 2SHUDWLRQ \$UH DJXUH 0D[LPXP &RQWLQXRXV 'UDI
YV \$PELHQW 7HPSHUDWXUH

)LJXUH 1RUPDOLJHG DOLPHQW 77KHUPDO ,PSHGDQFH





TYPE B:



SIDE VIEW

SYMBOL	DIMENSIONS			
	INCHES		Millimeter	
	MIN.	MAX.	MIN.	MAX.
A	0.060	0.071	1.520	1.800
A1	0.000	0.004	0.000	0.100
A2	0.059	0.067	1.500	1.700
b	0.026	0.032	0.660	0.820
c	0.010	0.014	0.250	0.350
D	0.244	0.252	6.200	6.400
D1	0.114	0.122	2.900	3.100
E	0.130	0.146	3.300	3.700
E1	0.269	0.278	6.830	7.070
e	0.091BSC		2.300BSC	
e1	0.177	0.185	4.500	4.700
L	0.035	0.045	0.900	1.150
	0°	10°	0°	10°

