

 $T_C = 25$

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	30	V
Gate-Source Voltage	V_{GS}	12	V
Continuous Drain Current	$I_{D@T_C=25}$	5	A
	$I_{D@T_C=75}$	3.8	A
	$I_{D@T_C=100}$	3	A
Pulsed Drain Current	I_{DM}	15	A
Total Power Dissipation	$P_D@T_C=25$	18	W
Total Power Dissipation	$P_D@T_A=25$	0.9	W
Operating Junction Temperature	T_J	-55 to 150	
Storage Temperature	T_{STG}	-55 to 150	
Single Pulse Avalanche Energy@L=0.1mH	E_{AS}	5	mJ



Fig.1 Gate-Charge Characteristics

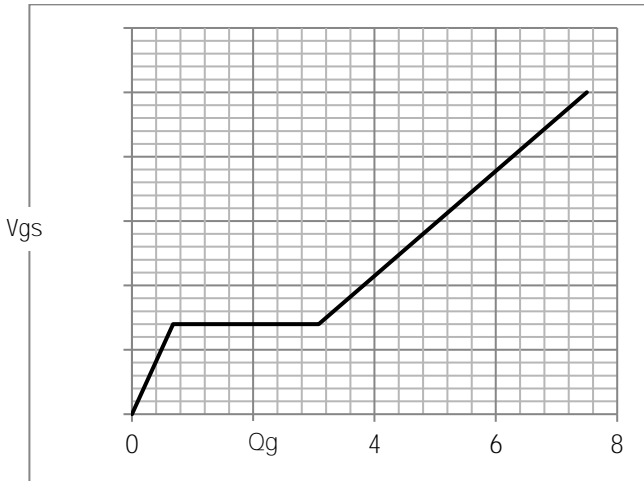


Fig.2 Capacitance Characteristics

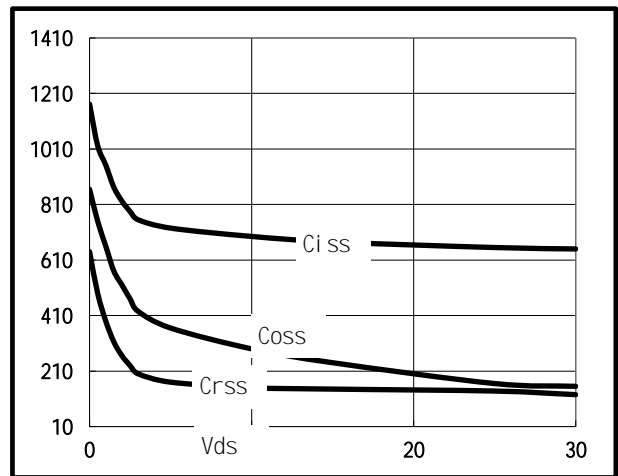


Fig.3 Power Dissipation Derating Curve

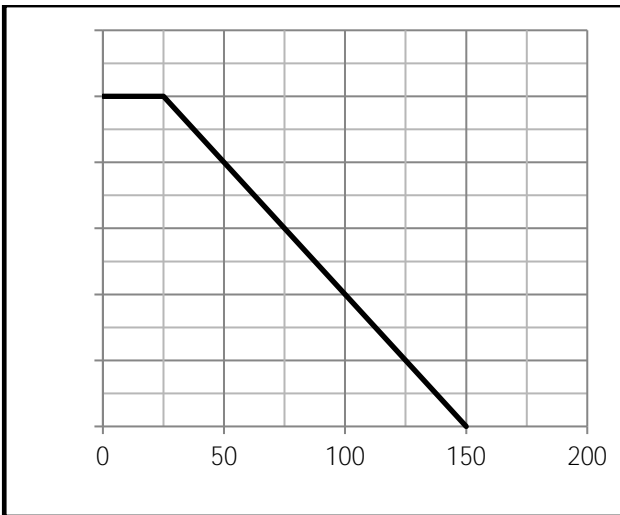


Fig.4 Typical output Characteristics

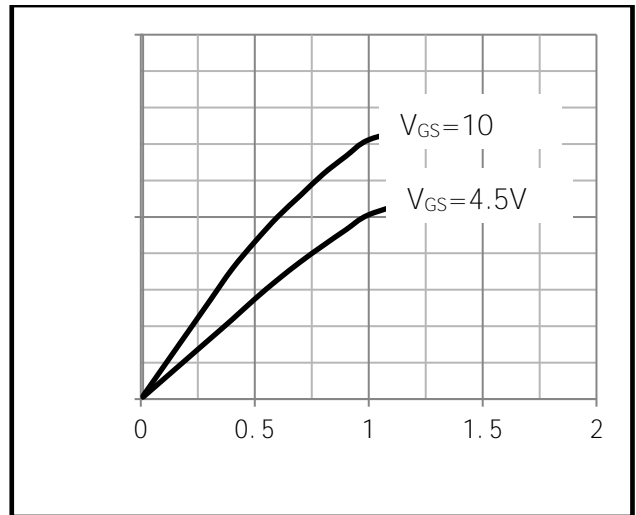


Fig.5 Threshold Voltage V.S Junction Temperature

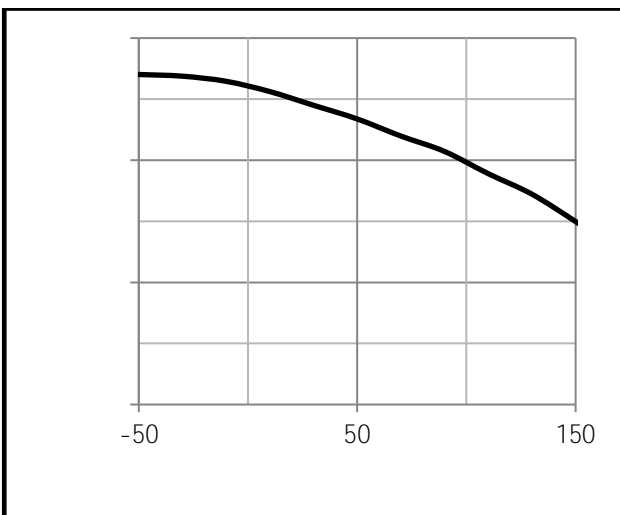
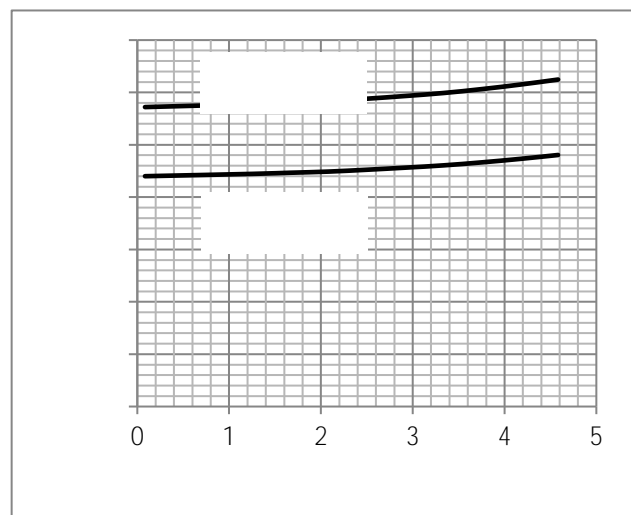


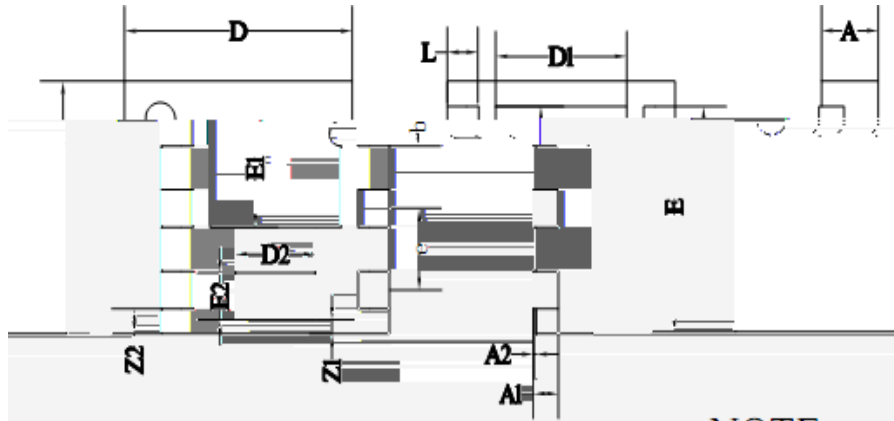
Fig.6 Resistance V.S Drain Current





(DFN2*2)

Unit mm



NOTE:

All dimensions are in mm

NOV	MAX		MIN
200	205	D	195
200	205	E	195
115	120	D1	110
125	130	E1	120
0.25	0.3	L	0.25
0.3	0.4	A	0.25
0.5	0.6	A1	0.45
0.2	0.3	A2	0.2
0.25	0.3	Z1	0.25
0.25	0.3	Z2	0.25