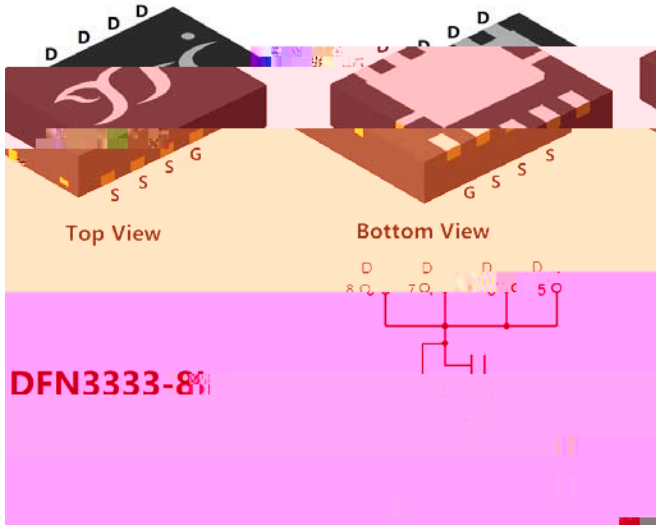




B-7 \UbbY` 9b \UbWY a Ybh AcXY :]Y`X 9ZZYWh HfUbg]ghcf



DfcXiWh Gi a a Ufm

V_{DS}	40V
I_D	50A
$R_{DS(ON)}$ (at $V_{GS}=10V$)	7m
100% EAS Tested	

; YbYfU` 8YgWf]dh]cb

Excell á Æ

ption

$T_C=25$ unless otherwise noted)

DUfUa YhYf		Gma Vc`	@]a]h	I b]h
Drain-source Voltage		V_{DS}	40	V
Gate-source Voltage		V_{GS}	± 20	V
Drain Current	$T_C=25$	I_D	50	A
	$T_C=100$		35	
	$T_A=25$		11	
	$T_A=100$		7.7	
Pulsed Drain Current ^A		I_{DM}	200	A
Avalanche energy ^B		EAS	72	mJ
Total Power Dissipation ^C	$T_C=25$	P_D	50	W
	$T_C=100$		25	
	$T_A=25$		2.2	
	$T_A=100$		1.1	

Thermal Resistance Junction-to-Case INNEB20X

				QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
YJQ50G04HHQ	F1	Q50G04H	5000	10000	100000	13" reel



M>E)\$; \$(<<E

9`YWhf]WU` 7 \UfUWhYf]gh]Wg (T_J=25 unless otherwise noted)

DUfU a YhYf	Gm a Vc`	7cbX]h]cbg	A]b	Hmd	AUI	I b]hg
GhU]W DUfU a YhYf						

Drain-Source Breakdown Voltage

BV_{DSS}

V_{GS}= 0V, I_D



Hmd]WU` 9`YWhf]WU` UbX H\Yfa U` 7 \UfUWhYf]gh]Wg 8]U[fU ag

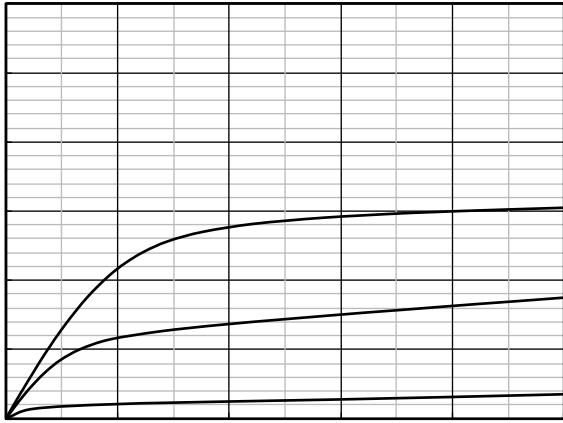


Figure 1. Output Characteristics

Figure 2. Transfer Characteristics

Figure 3. Capacitance Characteristics

Figure 4. Gate Charge

Figure 5. On-Resistance vs Gate to Source Voltage

Figure 6. Normalized On-Resistance

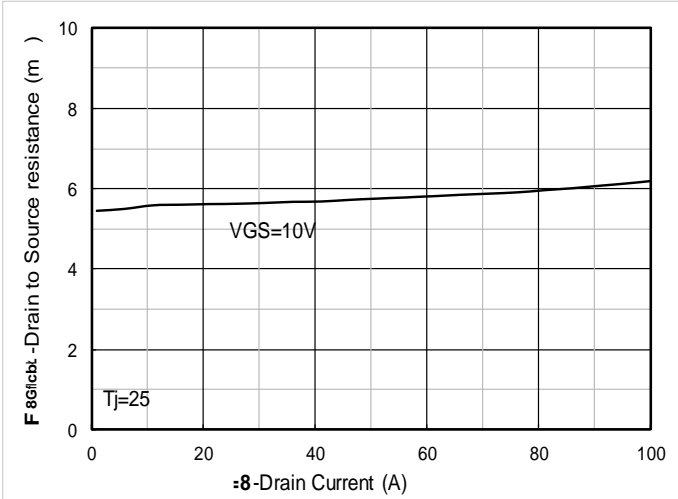


Figure 7. R_{DS(on)} VS Drain Current

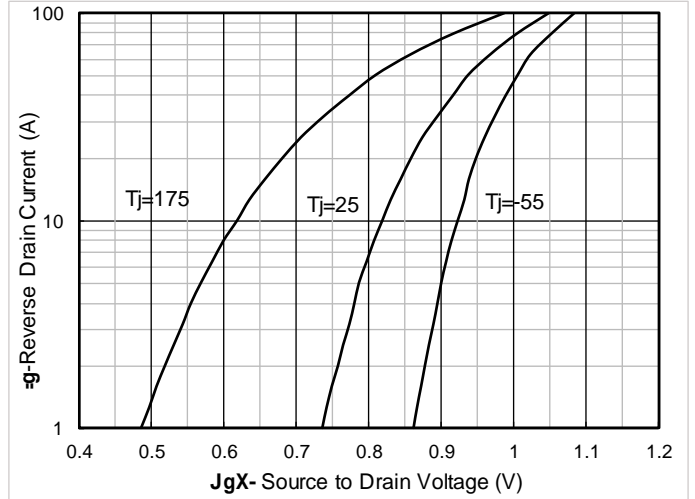


Figure 8. Forward characteristics of reverse diode

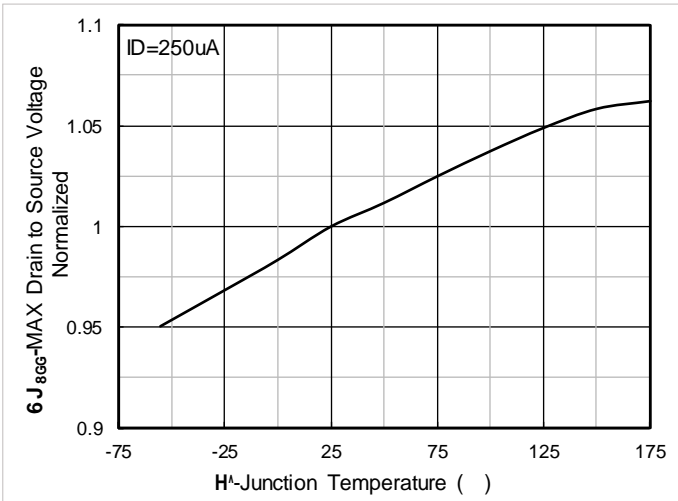


Figure 9. Normalized breakdown voltage

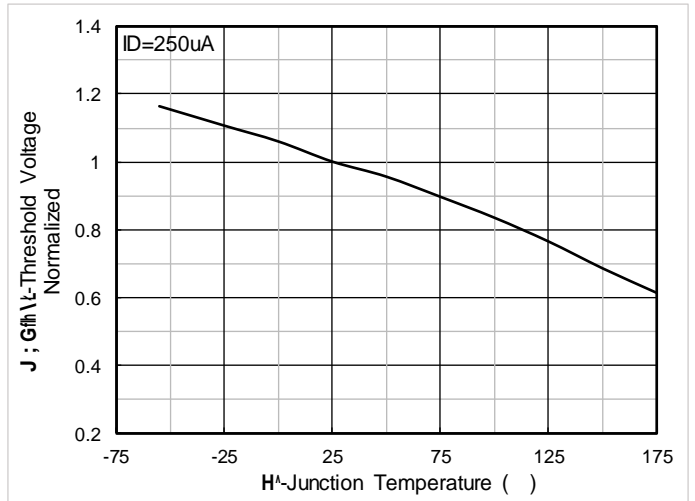


Figure 10. Normalized Threshold voltage

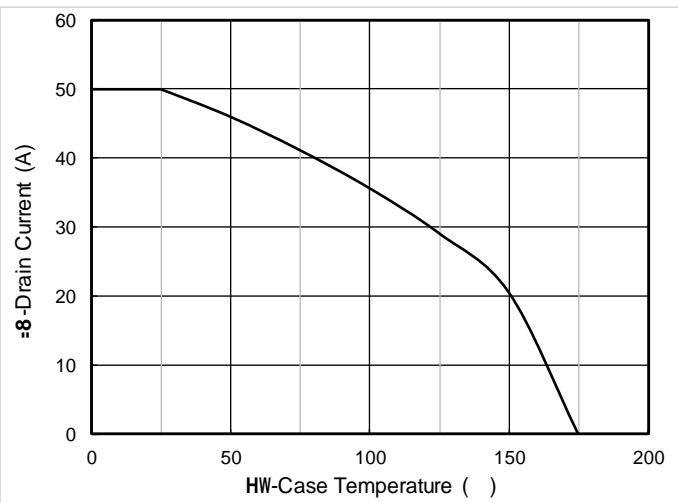


Figure 11. Current dissipation

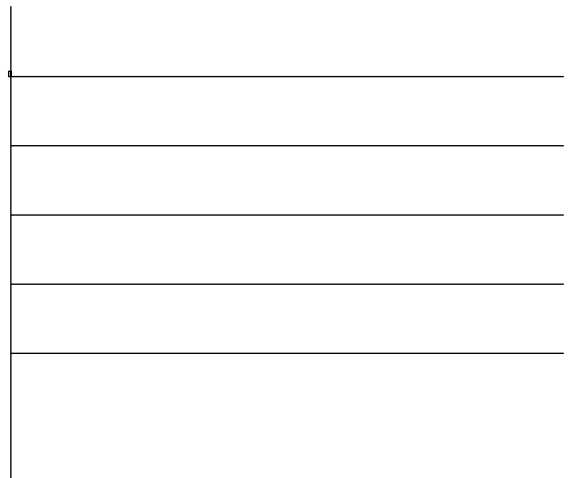
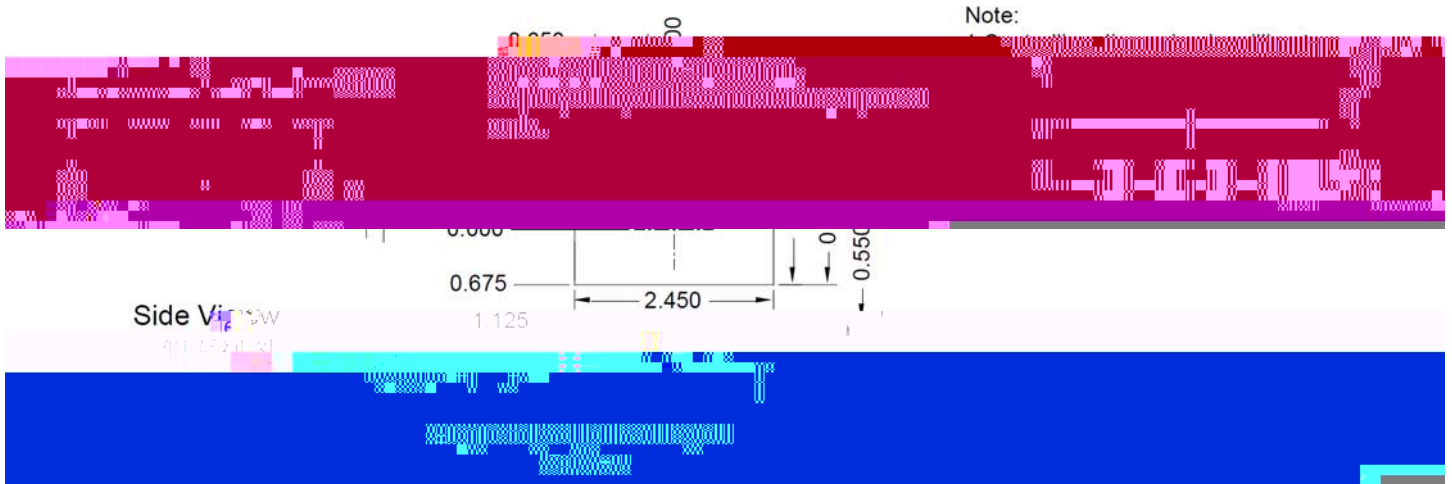
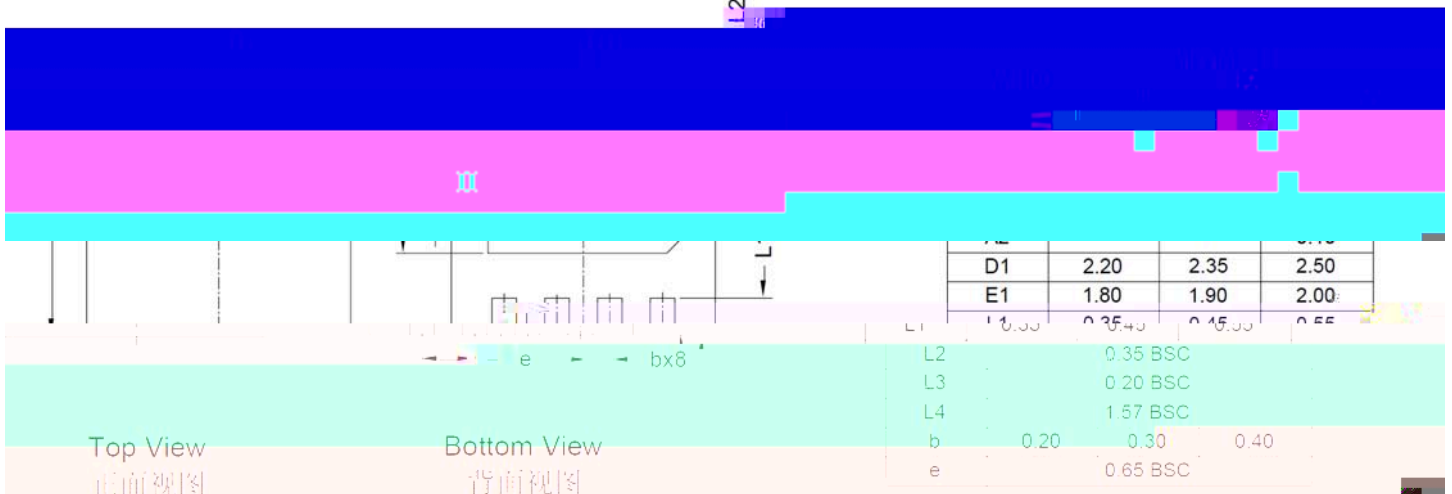


Figure 12. Power dissipation

M>E)\$; \$(<<E



8 : B''''-8@ DUW_U[Y]bZcf a Uh]cb





8]gWU]a Yf

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