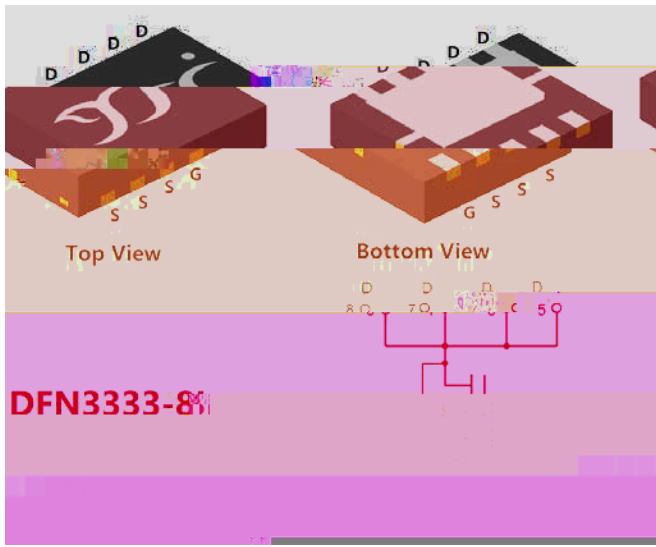




B-7 \UbbY` 9b \UbWY a Ybh AcXY :]Y`X 9ZZYWh HfUbg]ghcf



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)

DUfU a YhYf		Gm a 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

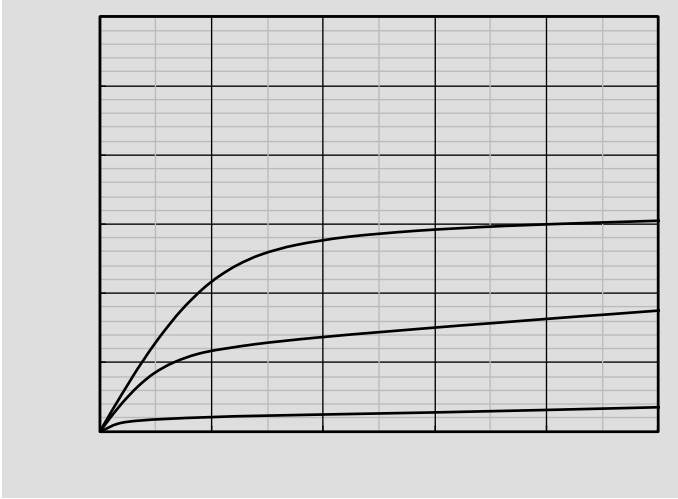


Figure 1. Output Characteristics

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

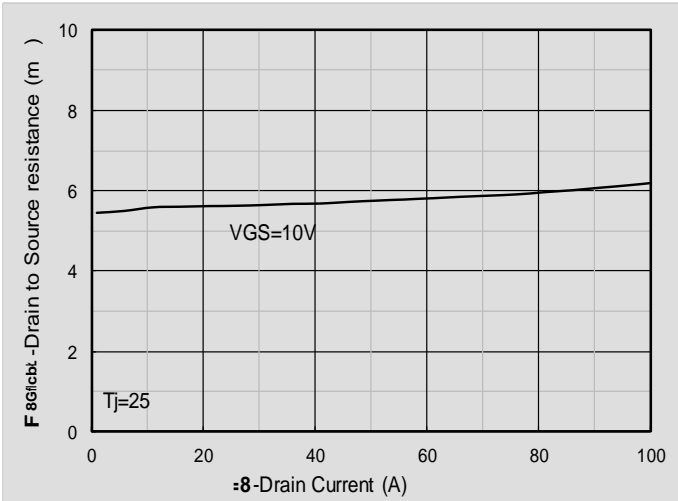


Figure 7. RDS(on) VS Drain Current

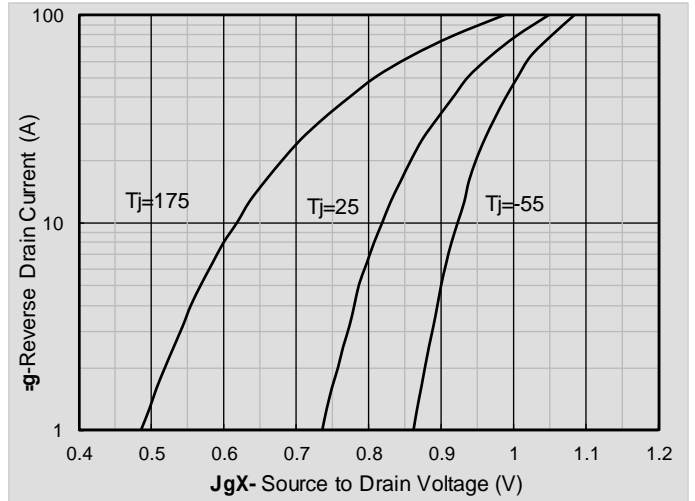


Figure 8. Forward characteristics of reverse diode

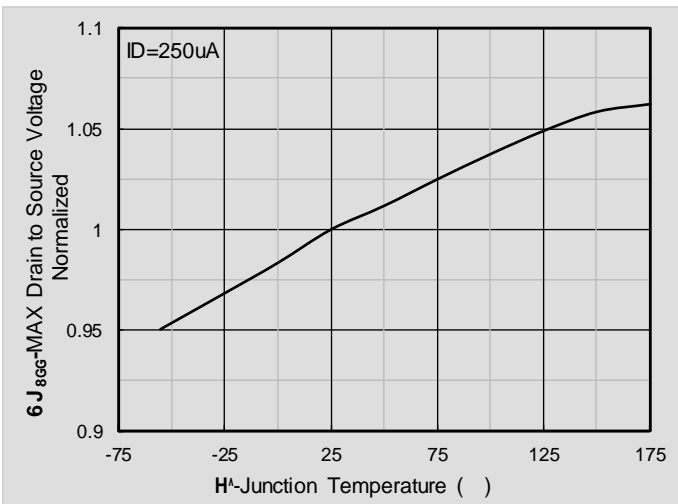


Figure 9. Normalized breakdown voltage

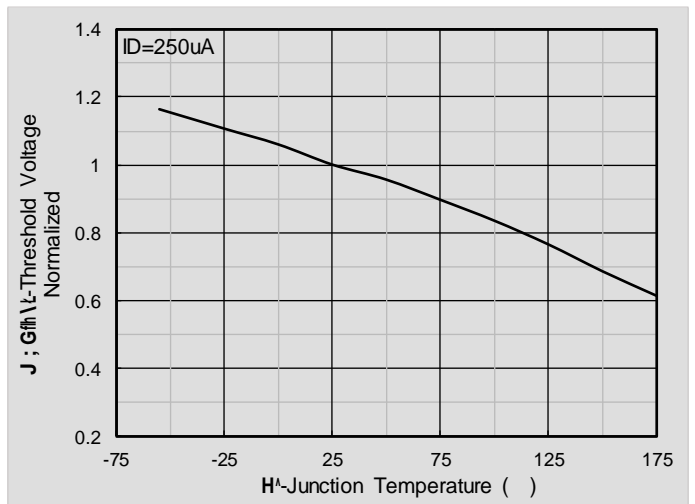


Figure 10. Normalized Threshold voltage

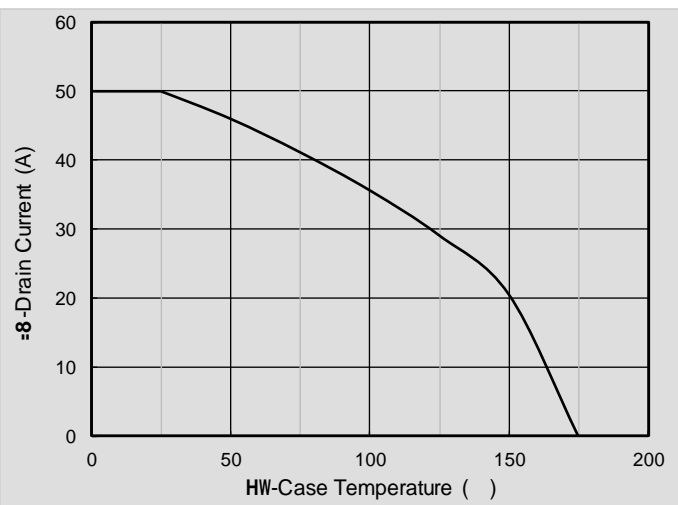


Figure 11. Current dissipation

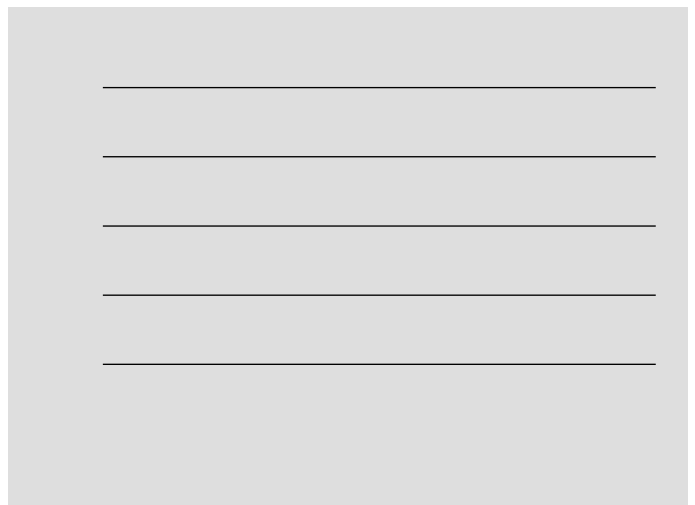
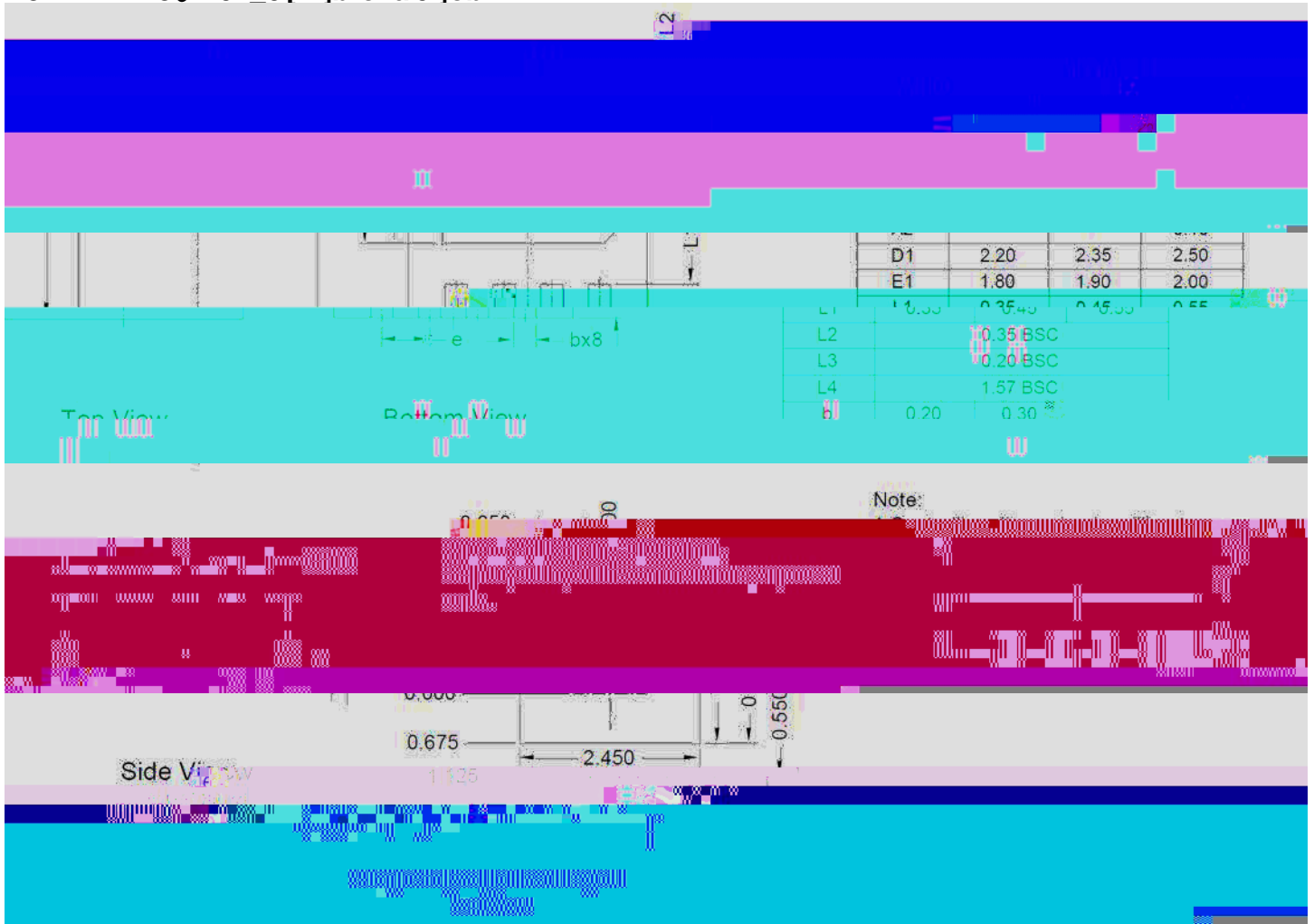


Figure 12. Power dissipation

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



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





8]gWU]a Yf

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