Product Summary

	Value	Unit
	100	V
	3.0	V
	369	A
	2.0	m

	Package	# of Pins	Marking	MSL	T_J (°C)	Media	Quantity (pcs)
	PowerJE®10x12	8	SH1002N	1	-55 to 175	13-inch[330.2mm] Reel	2000

		Symbol		Unit
		V_{DS}		V
		V_{GS}		V
Continuous Drain Current [1]	T_C = 25°C	I_D	369	A
	T_C = 100°C		261	
Pulsed Drain Current [2]		I_{DM}	1476	A
Avalanche Energy [3]		E_{AS}	1350	mJ
	T_C = 100°C		300	W
Junction & .34 528300		T_J, T_{STG}		°C

	Symbol		Min.	Typ.	Max.	Unit

Typical Electrical & Thermal Characteristics

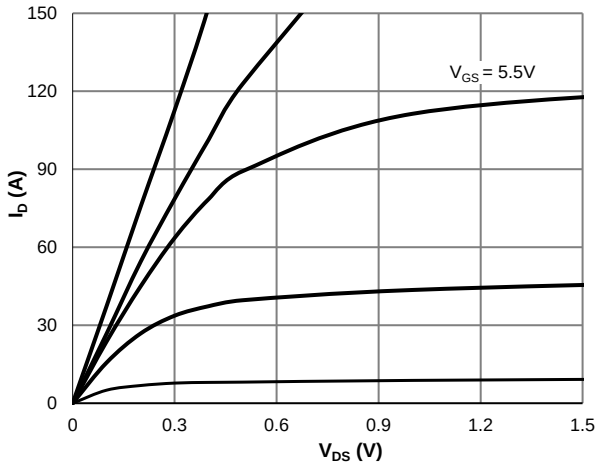


Figure 1: Saturation Characteristics

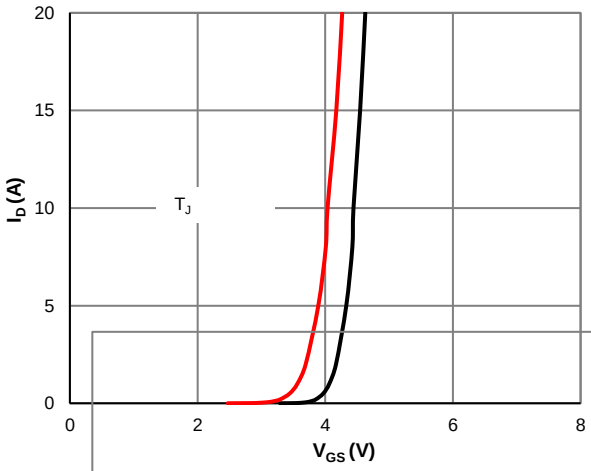


Figure 2: Transfer Characteristics

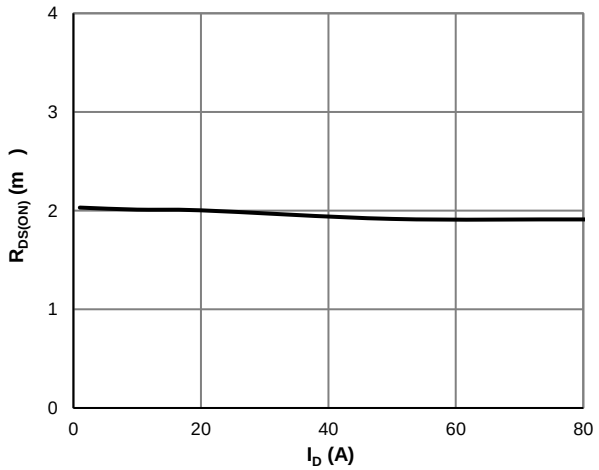


Figure 3: $R_{DS(ON)}$ vs. Drain Current

Typical Electrical & Thermal Characteristics

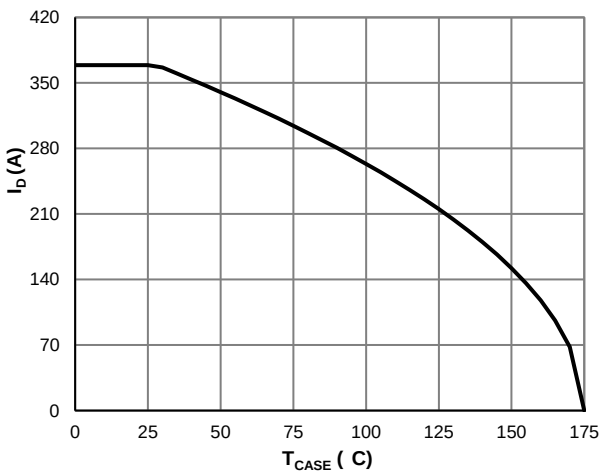


Figure 9: Current De-rating

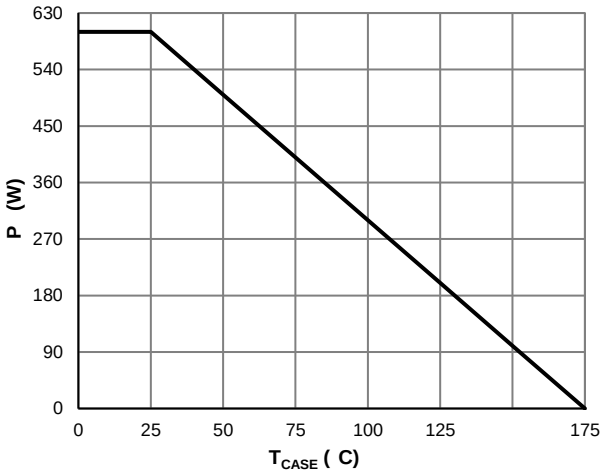


Figure 10: Power De-rating

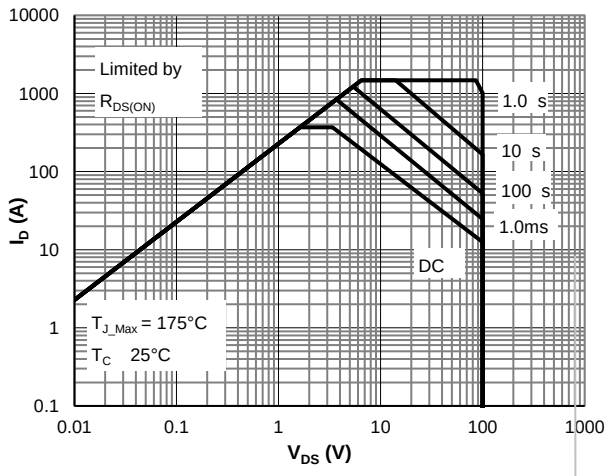


Figure 11: Maximum Safe Operating Area

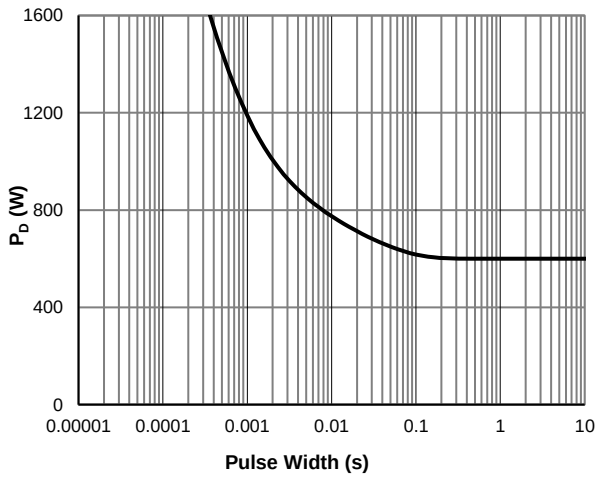
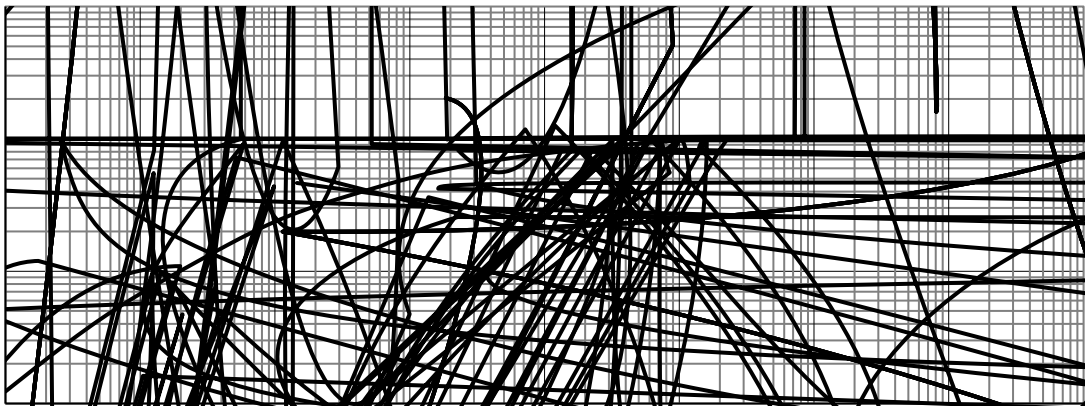


Figure 12: Single Pulse Power Rating, Junction-to-Case

Typical Electrical & Thermal Characteristics



PowerJE®10x12 Package Information



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