

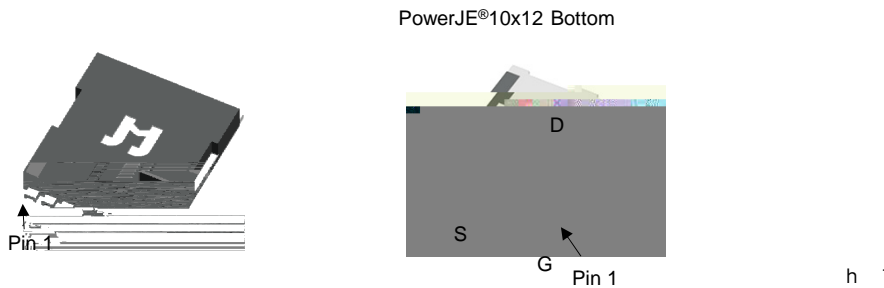
100V 1.3mΩ TOLL N-Ch Power MOSFET

Features

Product Summary

Parameter	Value	Unit
$V_{DS}$	100	V
$V_{GS(th\_Typ)}$	2.8	V
$I_D$ (@ $V_{GS} = 10V$ ) <sup>(1)</sup>	411	A
$R_{DS(ON\_Typ)}$ (@ $V_{GS} = 10V$ )	1.3	mΩ

Applications



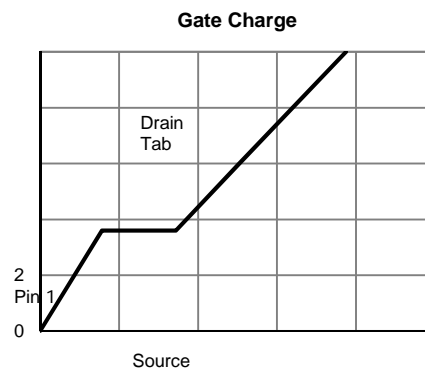
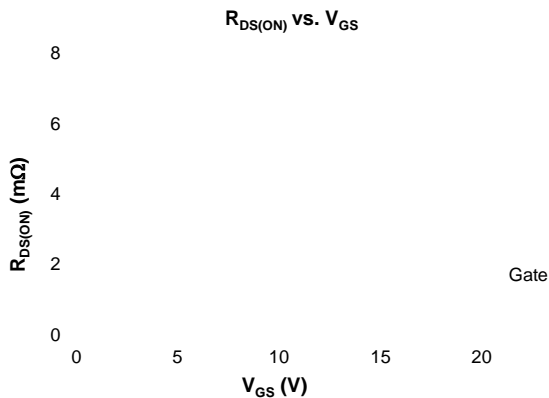
Ordering Information

Device	Package	# of Pins	Marking	MSL	T <sub>J</sub> (°C)	Media	Quantity (pcs)
JMSH1001ATL-13	PowerJE®10x12 <sup>(1)</sup>	8	SH1001A	1	-55 to 175	13-inch Reel	2000

Note 1: PowerJE® is a registered trademark of JieJie Micro., its package outline is compatible to that of TO-LeadLess (TOLL).

Absolute Maximum Ratings (@ T<sub>A</sub> = 25°C unless otherwise specified)

Parameter	Symbol	Value	Unit
	$V_{DS}$		V
	$V_{GS}$		Power Dissipation
Continuous Drain Current <sup>(2)</sup>	$I_D$	T <sub>C</sub> = 25°C	411
		T <sub>C</sub> = 100°C	290
Pulsed Drain Current <sup>(3)</sup>	$I_{DM}$	1343	A
Avalanche Current <sup>(4)</sup>	$I_{AS}$	50	A
Avalanche Energy <sup>(4)</sup>	$E_{AS}$	1250	mJ
	$P_D$	T <sub>C</sub> = 25°C	500
		T <sub>C</sub> = 100°C	250
	T <sub>J</sub> , T <sub>STG</sub>		°C







Typical Electrical & Thermal Characteristics

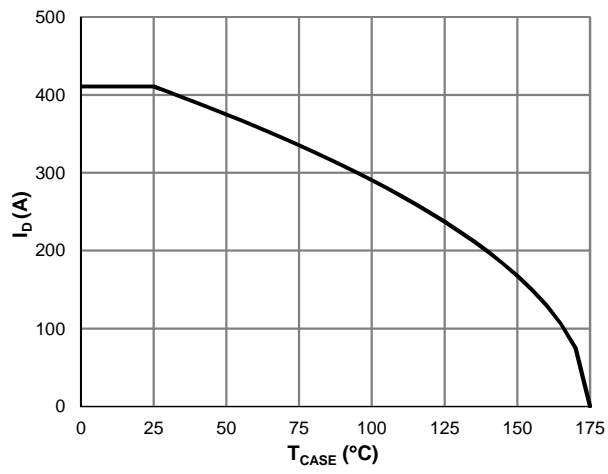


Figure 7: Current De-rating

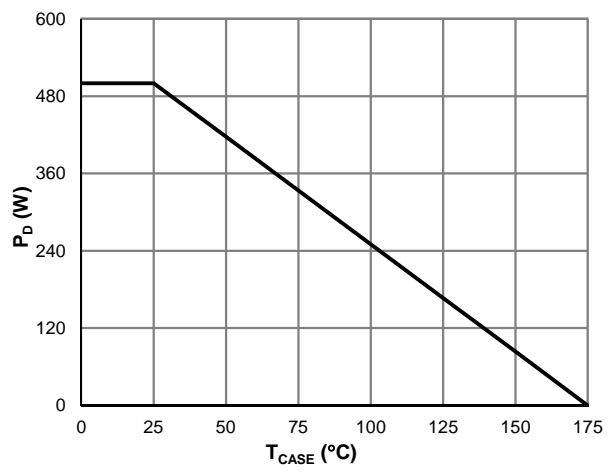


Figure 8: Power De-rating

