

Rev.B Dec.-2023

PDFN5 6A N  
Dual N-CHANNEL MOSFET in a PDFN5x6A Plastic Package.

$V_{DS}(V)=100V$   $I_D=13.7A$   
R

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	$V_{DS}$	100	V
Continuous Drain Current	$I_D$	13.7	A
Pulsed Drain Current	$I_{DM}$	48	A
Gate-Source Voltage	$V_{GS}$	$\pm 20$	V
Power Dissipation	$P_D(T_c=25^\circ\text{C})$	35.7	W
Avalanche energy(L=0.5mH)	$E_{AS}$	2.7	mJ
Avalanche Current(L=0.5mH)	$I_{AS}$	3.3	A

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	$V_{GS}=10V$ $V_{DS}=50V$ $R_L=10$ $R_{GEN}=3$		4		ns
Turn-On Rise Time	$t_r$			2		
Turn-Off Delay Time	$t_{d(off)}$			15		
Turn-Off Fall Time	$t_f$			2		



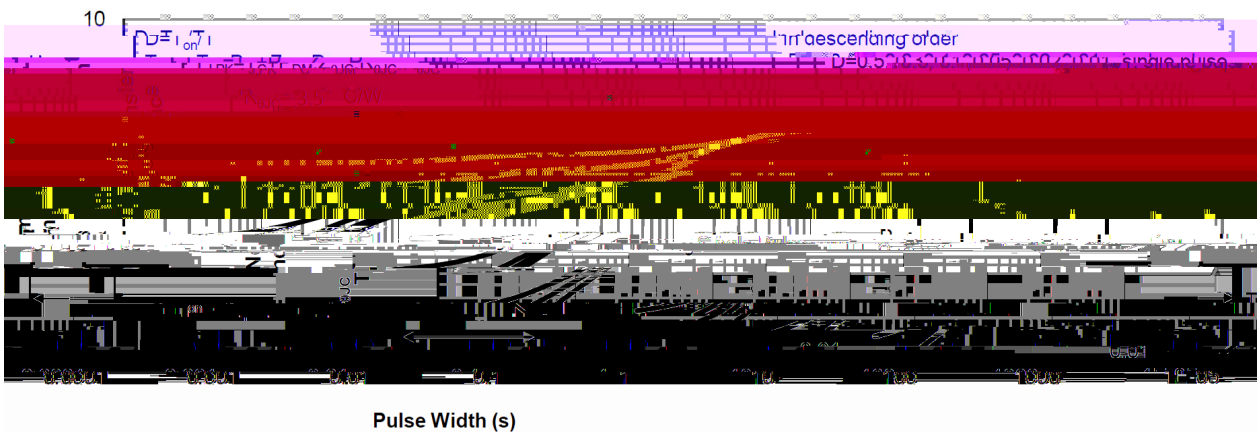
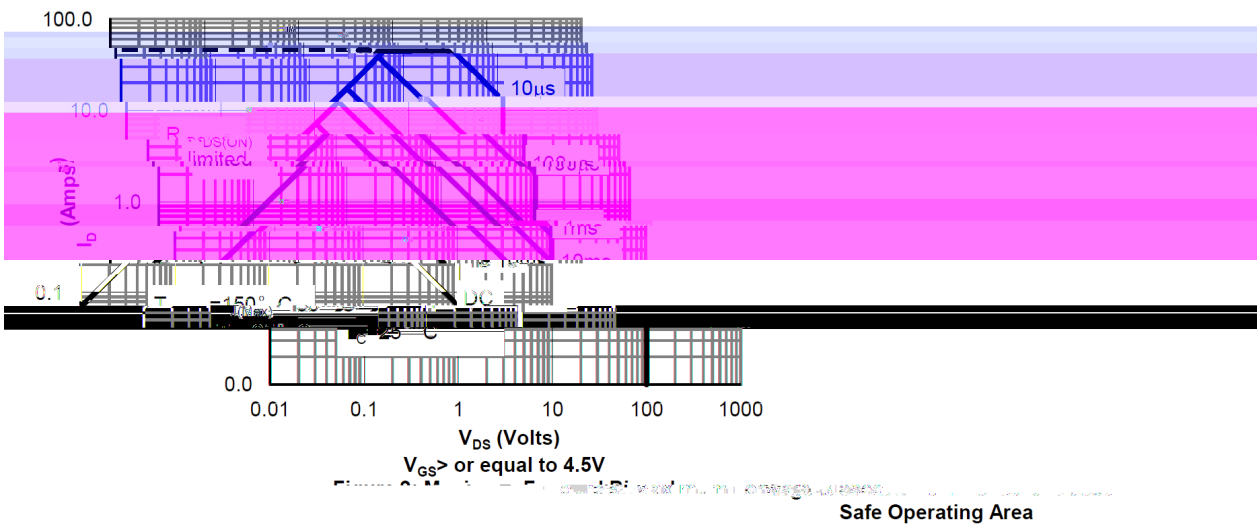
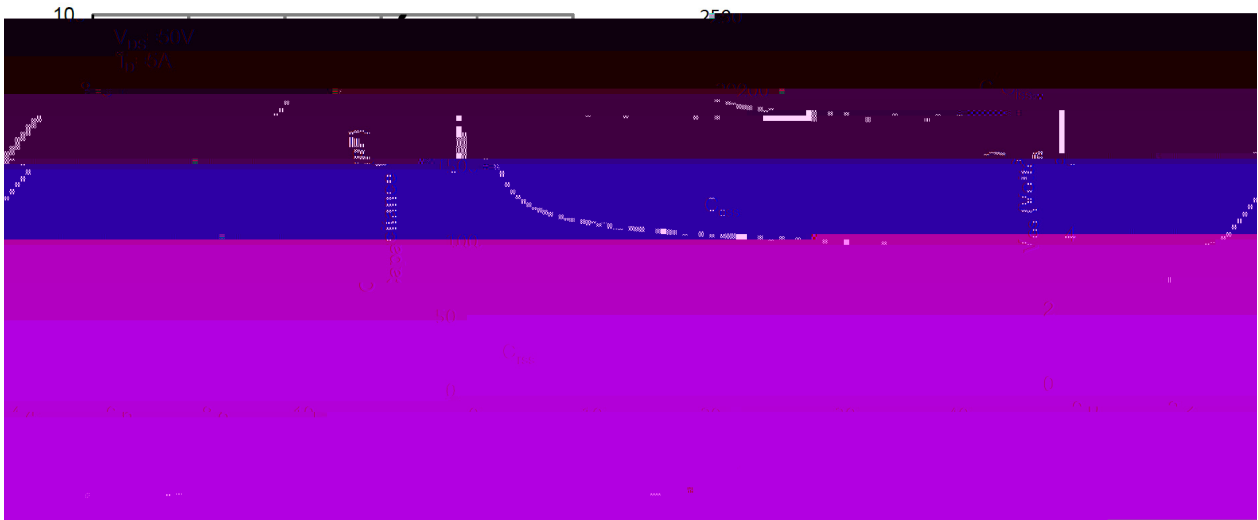
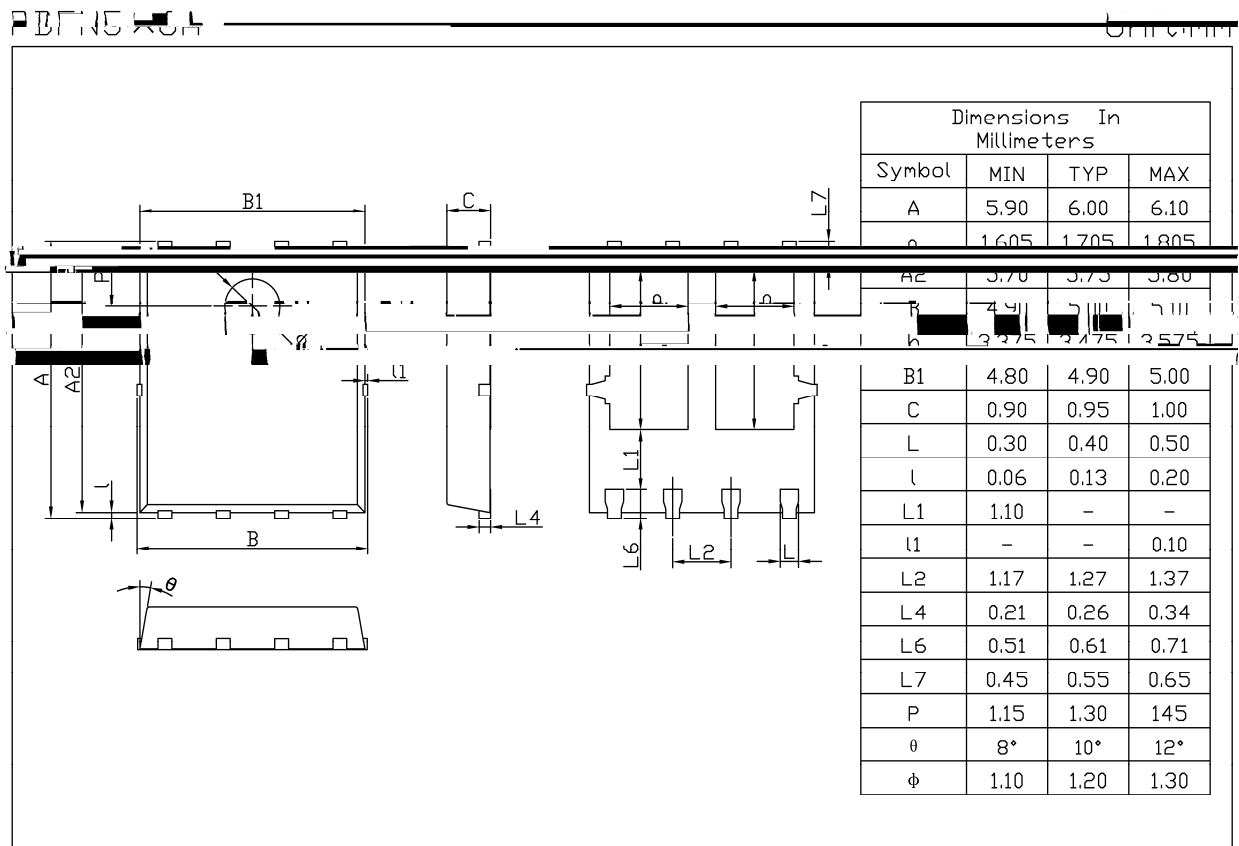
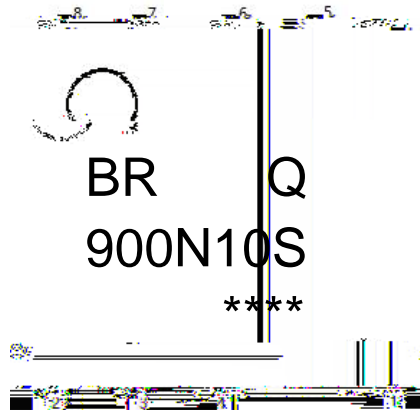


Figure 10: Normalized Maximum Transient Thermal Impedance



Rev.01 202209



900N10S

Note

BR	Company Code
Q:	Automobile halogen-free product Code
900N10S	Product Type Code
****:	Lot No. Code, code change with Lot No

Temperature Profile for IR Reflow Soldering(Pb-Free)
