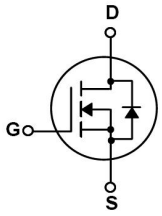
TO-252 N MOS N-CHANNEL MOSFET in a TO-252 Plastic Package.

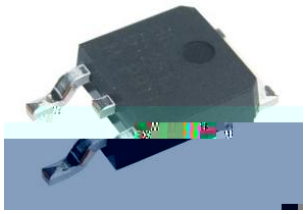
$R_{DS(on)}$ C_{rss}

Low $R_{DS(on)}$,low gate charge, low C_{rss}, fast switching.

DC/DC

Suited for low voltage applications such as automotive, DC/DC Converters, and high efficiency switching for power management in portable and battery operated products.





PIN1 G PIN 2 D PIN 3 S PIN 4 D

See Marking Instructions.

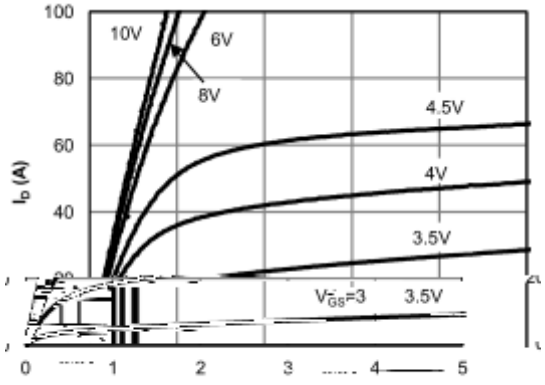
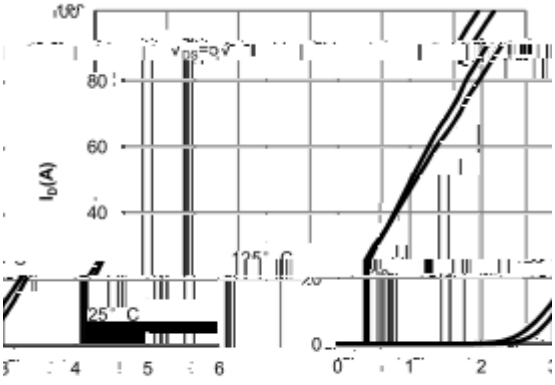
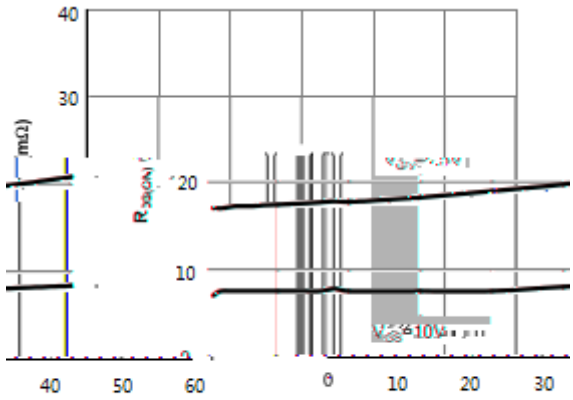


Figure 1: On-Region Characteristics



olts)
racteristics

V_{GS}(V
Figure 2: Transfer Cha



(A)
s. Drain Current and Gate

I_D
Figure 3: On-Resistance v
Voltage

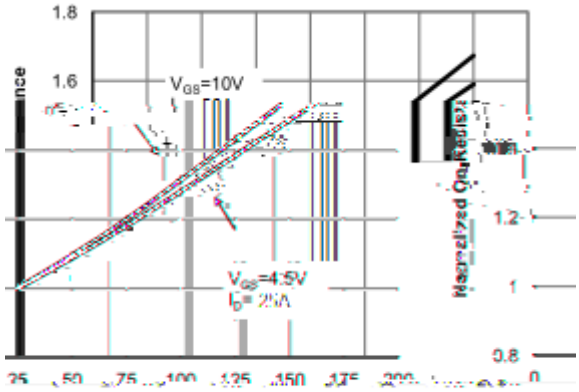
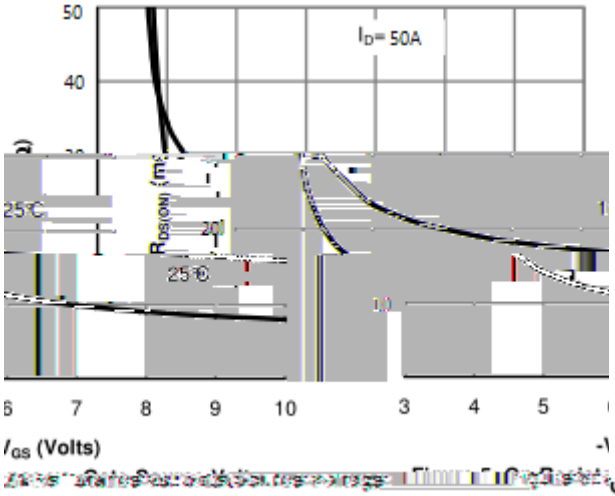


Figure 4: On-Resistance vs. Junction Temperature



Characteristic

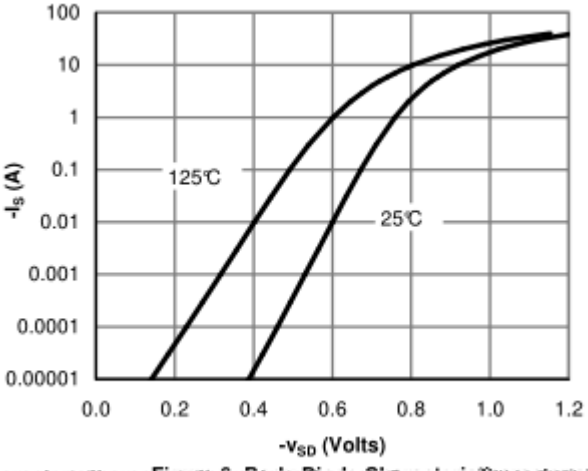
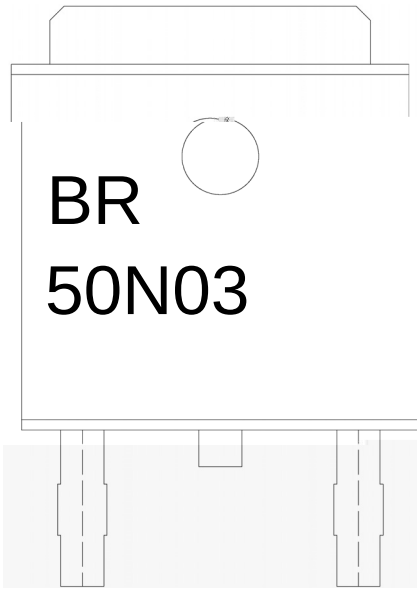


Figure 6: Body Diode

Rev.G Jul.-2018



BR

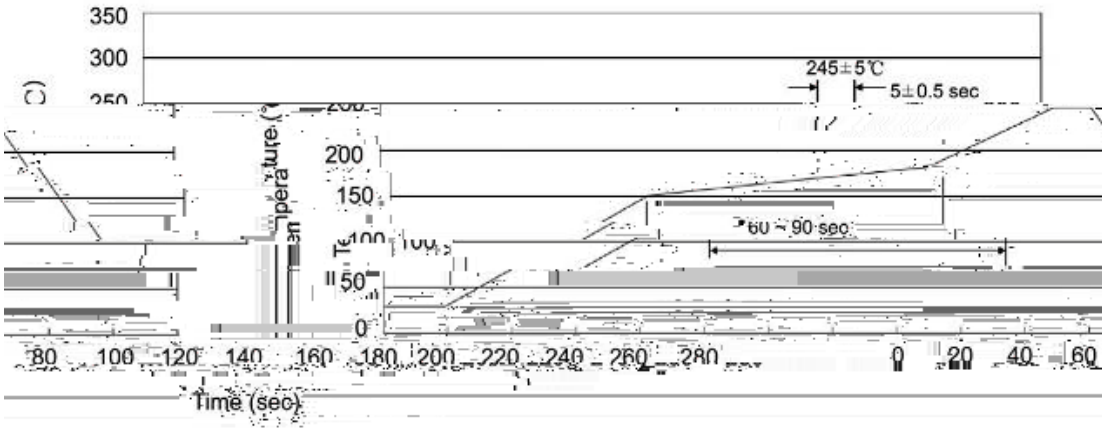
50N03

****

Note:

BR:	Company Code
50N03:	Product Type Code.
****:	Lot No. Code, code change with Lot No.

Temperature Profile for IR Reflow Soldering(Pb-Free)



										Note:	
1		150	180			60	90sec;			1.Preheating:150~180	, Time:60~90sec.
2		245±5					5±0.5sec;			2.Peak Temp.:245±5	, Duration:5±0.5sec.
3					2	10	/sec.			3. Cooling Speed: 2~10	/sec.

260±5 10±1 sec. Temp.:260±5 Time:10±1 sec

/ REEL

Package Type	Units					Dimension		(unit mm^3)

/ TUBE

Package Type	Units					Dimension		(unit mm^3)