



FFSB0665B

THERMAL CHARACTERISTICS

Parameter	Symbol	Value	Unit
Thermal Resistance, Junction-to-Case, Max.		2.46	C/W

ELECTRICAL CHARACTERISTICS (T_J = 25 C unless otherwise noted)

Parameter	Symbol	Test Conditions	Min	Тур	Max	Unit
ON CHARACTERISTICS	•			•	•	
Forward Voltage	V _F	I _F = 6.0 A, T _J = 25 C	_	1.38	1.7	V
		I _F = 6.0 A, T _J = 125 C	_	1.53	2.0	
		I _F = 6.0 A, T _J = 175 C	_	1.67	2.4	
Reverse Current	I _R	V _R = 650 V, T _J = 25 C	_	0.5	40	μΑ
		V _R = 650 V, T _J = 125 C	_	1.0	80	
		V _R = 650 V, T _J = 175 C	-	2.0	160	
CHARGES, CAPACITANCES &	GATE RESISTANCE					
Total Capacitive Charge	Q _C	V _C = 400 V	-	16	-	nC
	C _{tot}	V _R = 1 V, f = 100 kHz	-	259	-	pF
		V _R = 200 V, f = 100 kHz	-	29	-	
		V _R = 400 V, f = 100 kHz	_	22	-	

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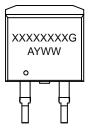
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D²PAK2 (TO-263-2L) CASE 418BK ISSUE O

DATE 02 AUG 2018

DET/

GENERIC MARKING DIAGRANI*



XXX = Specific Device Code

A = Assembly Location

= Year

WW = Work Week

G = Pb-Free Package

^{*}This information is generic. Please refer to device data sheet for actual part marking. Pb–Free indicator, "G" or microdot " •", may or may not be present. Some products may not follow the Generic Marking.

