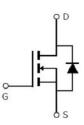


SMS010N02D1

Main Product Characteristics:





TO-263 (D2PAK)

Schematic Diagram

Features and Benefits:



Description:

Absolute Max Rating:

Symbol	Parameter	Max.	Units



Thermal Resistance

Symbol	Characterizes	Тур.	Max.	Units

Electrical Characterizes

Symbol	Parameter	Min.	Тур.	Max.	Units	Conditions

Source-Drain Ratings and Characteristics

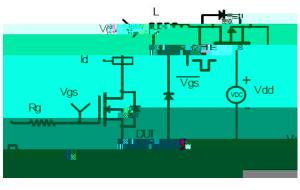
Symbol	Parameter	Min.	Тур.	Max.	Units	Conditions
						çD
						os



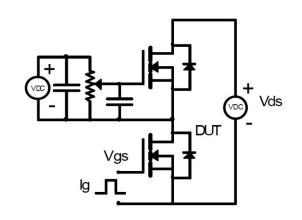
SMS010N02D1

Test Circuits and Waveforms

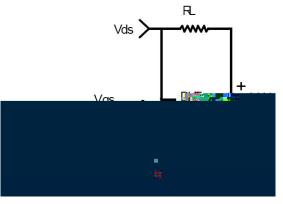
EAS Test Circuit:



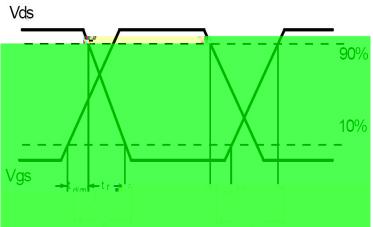
Gate Charge Test Circuit:



Switching Time Test Circuit:



Switching Waveforms:



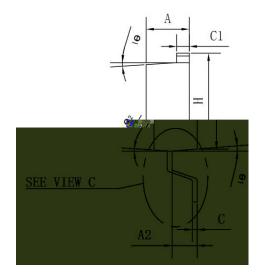
Notes:

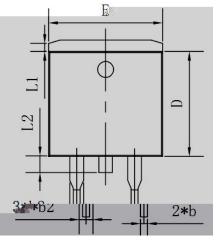


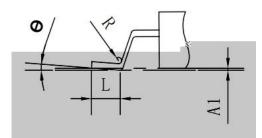
SMS010N02D1

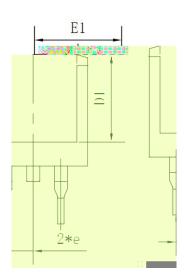
Mechanical Data

TO-263 Package Outline (Unit:mm) Option 1





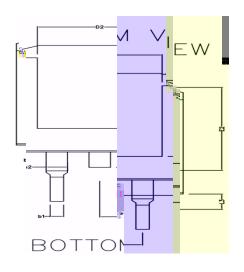


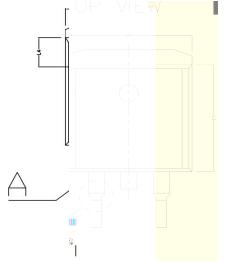


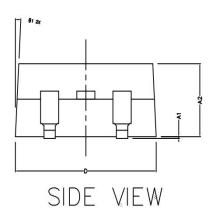
SYMB	OL MIN	NOM	MAX
A	4.35	4.47	4.6 0
A1	0. 09	0.10	0.11
A2	2 30	2.40	2. 50
b	0.70	0.80	1.00
		U III	
ĴĨĨ	Ŭ::XŬ		ii
M		8000	08000
		100000	
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) 		0011
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			889
 1111			
		WEENTEE U WÜ	
*8 uii	**************************************		
	li ii		



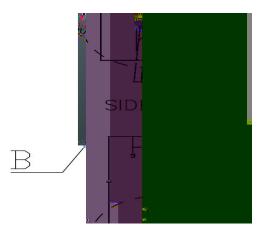
Option 2

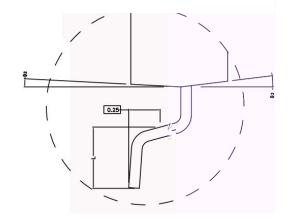






SMS010N02D1







	Ν	/IN	NORMAL	MAX
A1	0.	.020	100 C 100	0 3020
<u>~</u> ^A	Z1 *	4.470	4.570	4.67
0 A	3	2.300	2.350	2.40
оb	1	0.750	-	0.85
0 b	2	1.220		1.32
)_ =¥	81	0.500		0.
550	c2	1.300	-	1 t.
350	D	9.780	9.880	9.
980	D1		9.880RF	ĒF
	D2		7.400R	EF
	Ξ	14,900	15,100	15.
300	E1	9.100	9.200	9.
300	.E2		8.100R	
	е		2.540R	EF
		2.100	2,300	2.
600		1.025		- t.
375	_3	1.300	1.500	- t.
700	14	2,400	Z	J 2.60
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θ;			31 TXPE	
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ATTENTION:

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