

Features

- Low turn-on voltage
- Fast switching
- Also available in lead free version



SOT23



Equivalent Circuit

Absolute Maximum Ratings(TA=25℃)

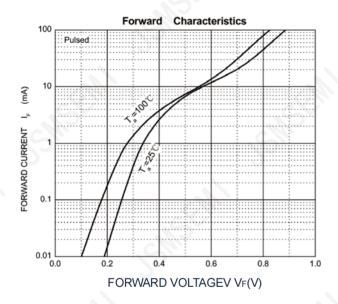
Symbol	Parameter	Value	Uniat
Vr	DC Blocking Voltage	70	V
lF	Forward Continuous Current	70	mA
lfsм	Non-repetitive Peak Forward Surge Current@8.3mS	100	mA
Pd	Power Dissipation	200	mW
Roja	Thermal Resistance From Junction To Ambient	500	°C/W
Tj	Operating Junction Temperature Range	-40~+125	°C
Tstg	Storage Temperature Range	-55~+150	°C

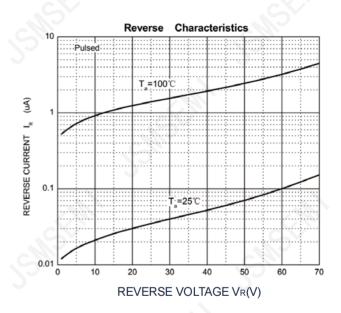
Electrical Characteristics (TA=25°C unless otherwise specified)

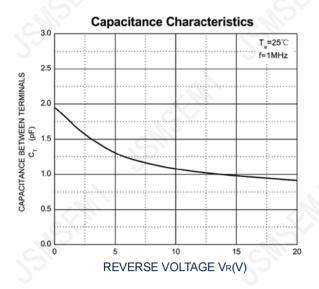
Symbol	Parameter	Test conditions	Min	Max	Unit
V(BR)	Reverse breakdown voltage	Ir=10μA	70		V
I R	Reverse current	V _R =50V		100	nA
VF	Forward voltage	I _F =1mA		410	mV
		I=15mA		1000	mV
CD	Diode capacitance	V _R =0V, f=1MHz		2	pF
trr	Reverse recovery time	I _F =I _R =10mA,Irr=0.1XI _R ,R _L =100Ω		5	nS

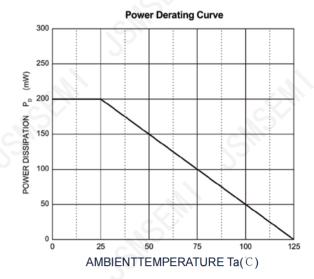


Typical Characteristics



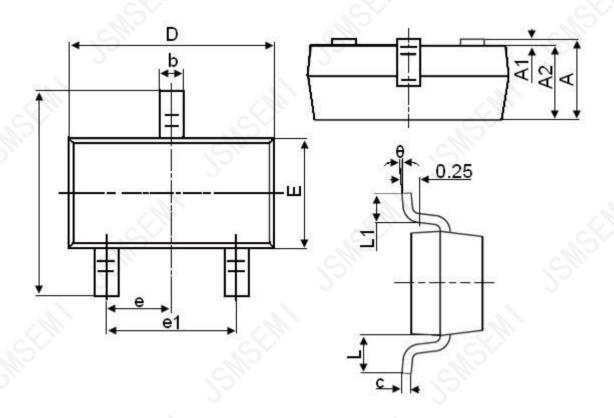








Package Outline Dimensions



	Dimensions in Millimeters			
Symbol	mm			
(S_{II})	Min	Max		
A	0.900	1.150		
A1	0.000	0.100		
A2	0.900	1.050		
b	0.300	0.500		
C C	0.080	0.150		
D	2.800	3.000		
E	1.200	1.400		
E1	2.250	2.550		
е	0.950TYP			
e1	1.800	2.000		
L	0.550REF			
L1	0.300	0.500		
θ	0°	8°		



Revision History

Rev.	Change	Date
V1.0	Initial version	2/23/2024

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