

Symbol	Parameter	Value	Units
V _{RRM}	Maximum Repetitive Reverse Voltage	70	V
I _{F(AV)}	Average Rectified Forward Current	70	mA
I _{FSM}	Forward Surge Current (8.3mS Single Half Sine Wave)	2.5	A
PD	Power Dissipation	200	mW
$T_{J_{i}}T_{STG}$	Operating Junction and Storage Temperature Range	-55 to +150	°C

* These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

Thermal Characteristics $T_A = 25^{\circ}C$ unless otherwise noted

Symbol	Parameter	Value	Units
$R_{ ext{ heta}JA}$	Thermal Resistance, Junction to Ambient *	625	°C/W

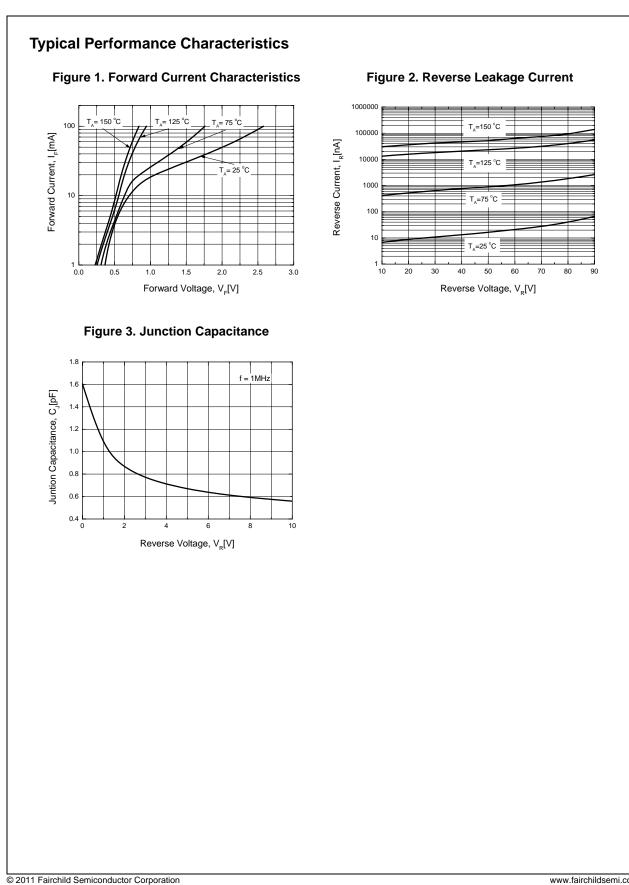
* Device mounted on board compliant to JESD51-2 and JESD51-3 standards.

Electrical Characteristics $T_A = 25^{\circ}C$ unless otherwise noted

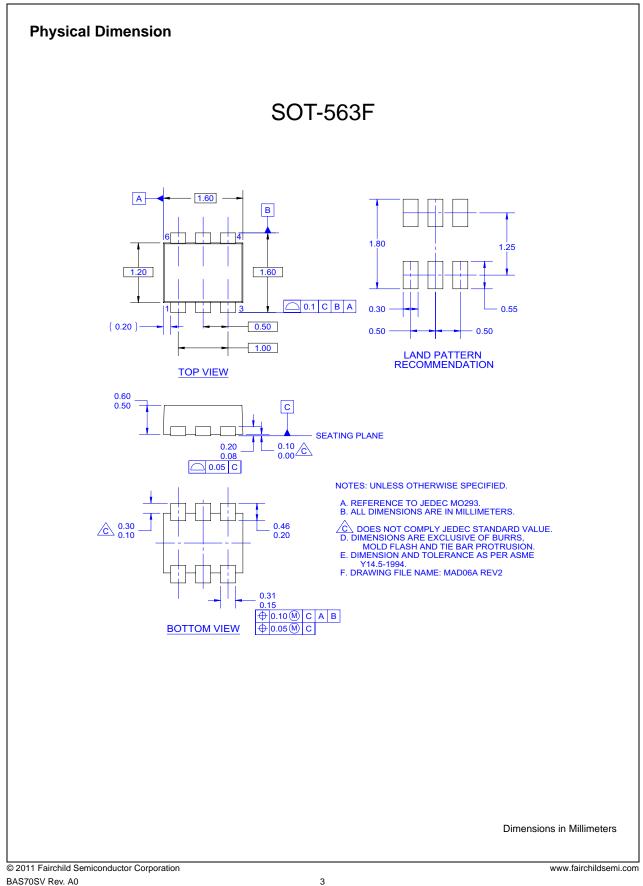
Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _R	Breakdown Voltage	I _R = 100μA	70	93		V
Ι _R	Reverse Current	V _R = 50V V _R = 70V		0.02	0.1 2.5	μΑ μΑ
V _F	Forward Voltage	I _F = 1mA I _F = 15mA		365 855	410 1000	mV mV
T _{rr}	Reverse Recovery Time	$I_F = I_R = 10 \text{mA}, I_{rr} = 0.1 I_R$		1.55	8	nS
Сар	Capacitance	$V_R = 0V$, f = 1MHz		1.62	3	pF

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Definition	of Terms	

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