

Mechanical Data

Package: TO-277

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, Halogen free

Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102

Maximum Ratings ($T_a=25$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	SS15U100T
Device marking code			SS15U100T
Repetitive Peak Reverse Voltage	V_{RRM}	V	100
Average Rectified Output Current @60Hz -sine wave, R- load, $T_c=97.5$	I_O	A	15
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, $T_a=25$	I_{FSM}	A	200
Current Squared Time @1ms t 8.3ms $T_j=25$	I^2t	A ² s	166
Storage Temperature	T_{stg}		-55 ~+150
Junction Temperature	T_j		-55 ~+150

Electrical Characteristics ($T_a=25$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	Min	Typ	Max
Peak Forward Voltage	V_{FM}	V	$I_{FM}=15.0A, T_j=25$	-	0.69	0.82
			$I_{FM}=15.0A, T_j=125$	-	0.6	0.72
Reverse Breakdown Voltage	V_{BR}	V	$I_R=0.5mA$	100	-	-
Leakage Current	I_R	mA	$V_R=100V, T_j=25$	-	-	0.2
			$V_R, T_j=25 -$			



SS15U100T

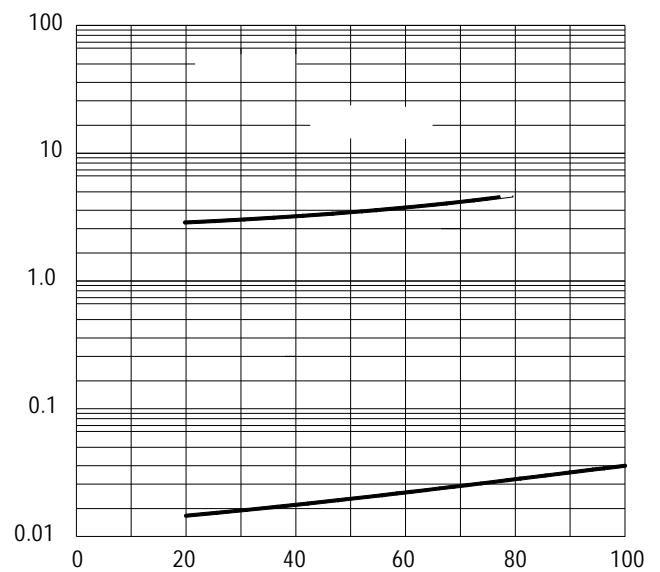
Thermal Characteristics ($T_a=25$ Unless otherwise specified)

PARAMETER		SYMBOL	UNIT	SS15U100T
Thermal Resistance	Junction to Case	R_{J-C}	/W	8

Ordering Information (Example)

PREFERED P/N	PACKAGE CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
SS15U100T	F1	Approximate 0.0821	5000	10000	80000	13" reel

Characteristics (Typical)



S15U100T



TO-277		
Dim	Min(mm)	Max(mm)
A	3.9	4.1
B	1.7	1.9
C	6.4	6.6
D	5.3	5.5
E	0.8	1.0
F	1.8	1.9
G	0.35	0.45
H	1.10	1.20
I	4.1	4.5
J	1.5	1.9

TO-277	
Dim	Min(mm)
A	3.36
B	4.86
C	0.85
P	1.84
Q1	1.4
Q2	1.4



SS15U100T

Disclaimer

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