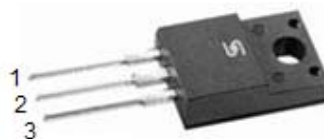
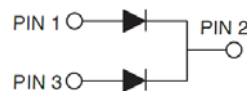


- High surge current capability
- Compliant to RoHS Directive 2011/65/EU and in accordance to WEEE 2002/96/EC
- Halogen-free according to IEC 61249-2-21 definition



ITO-220AB



MECHANICAL DATA

Case : ITO-220AB

Molding compound, UL flammability classification rating 94V-0
 Base P/N with suffix "G" on packing code - halogen-free, RoHS compliant
 Base P/N with prefix "H" on packing code - AEC-Q101 qualified

Terminal : Matte tin plated leads, solderable per JESD22-B102
 Meet JESD 201 class 1A whisker test,
 with prefix "H" on packing code meet JESD 201 class 2 whisker test

Polarity : As marked

Mounting torque : 5 in-lbs maximum

Weight : 1.7 gram (approximately)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

PARAMETER	SYMBOL	SRF 1020	SRF 1030	SRF 1040	SRF 1050	SRF 1060	SRF 1090	
Maximum repetitive peak reverse voltage	V _{RRM}	20	30	40	50	60	90	
Maximum RMS voltage	V _{RMS}	14	21	28	35	42	63	
Maximum DC blocking voltage	V _{DC}	20	30	40	50	60	90	
Maximum average forward rectified current	I _{F(AV)}	10						
Peak forward surge current, 8.3 ms single half sine-wave superimposed on rated load	I _{FSM}	120						
Maximum Instantaneous Forward Voltage (Note 1) IF= 5 A	V _F	0.55		0.70		0.9		
Maximum reverse current @ Rated VR TA=25 °C TA=100 °C TA=125°C	I _R	0.5						
		15			10			
		-						
Typical thermal resistance	R _{θJC}	3.5						
Operating junction temperature range	T _J	- 55 to + 125					- 55 to + 150	
Storage temperature range	T _{STG}	- 55 to + 150						

Note 1 : Pulse test with PW=300u sec, 1% duty cycle

Document Number : D1308024



EXAMPLE					
PREFERRED P/N	PART NO.	AEC-Q101 QUALIFIED	PACKING CODE	GREEN COMPOUND CODE	D
SRF1060 C0	SRF1060		C0		
SRF1060 C0G	SRF1060		C0	G	Gre
SRF1060HC0	SRF1060	H	C0		AEC

RATINGS AND CHARACTERISTICS CURVES

(TA=25°C unless otherwise noted)

FIG. 1 FORWARD CURRENT DERATING CURVE

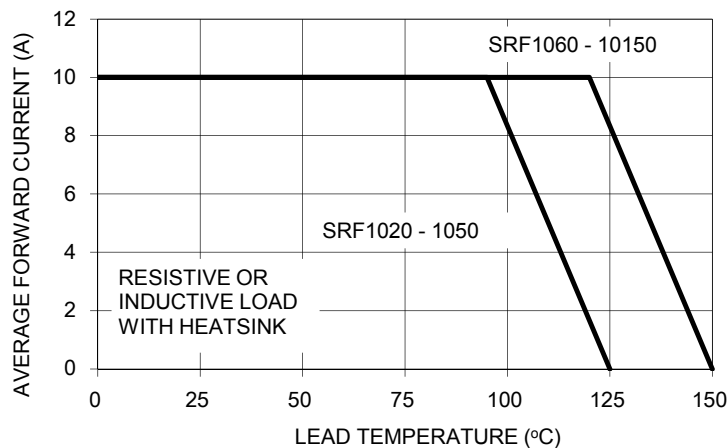


FIG. 2 MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

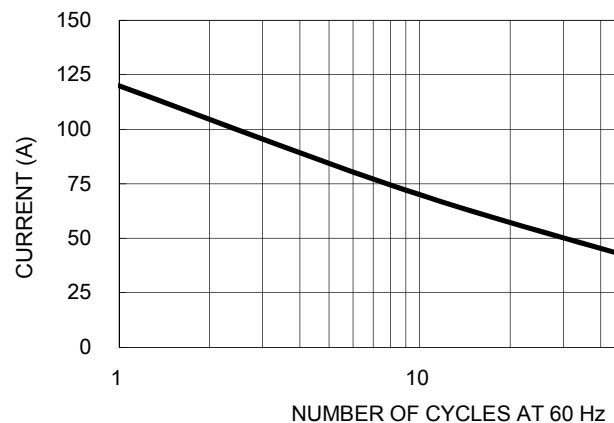


FIG. 3 TYPICAL FORWARD CHARACTERISTICS

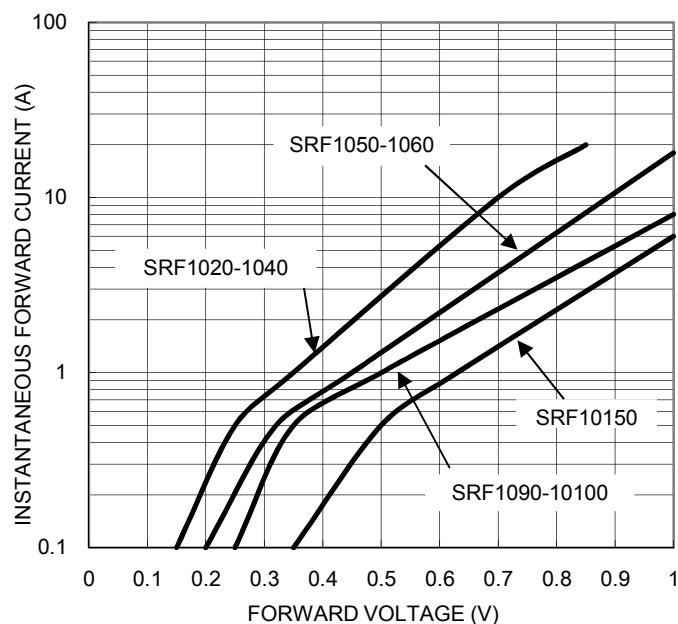
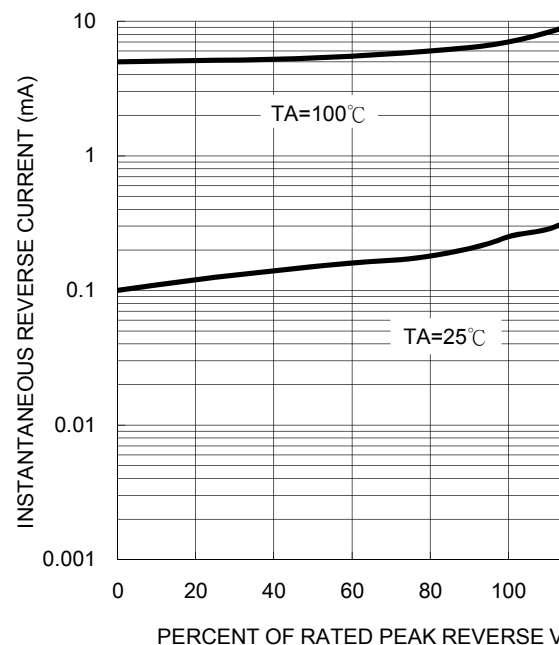
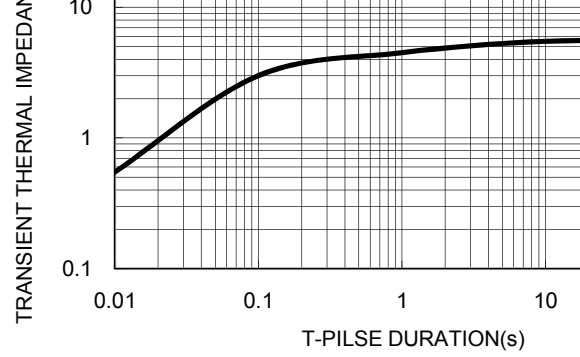
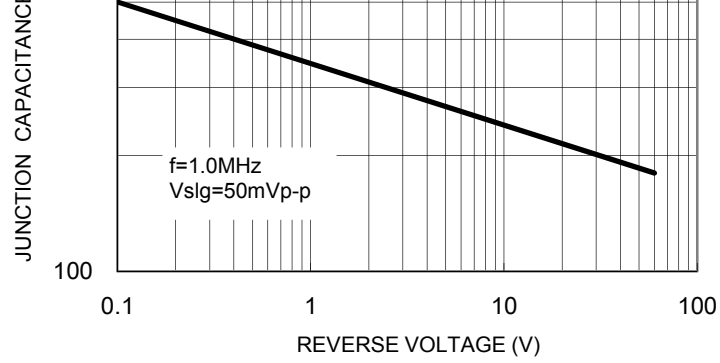
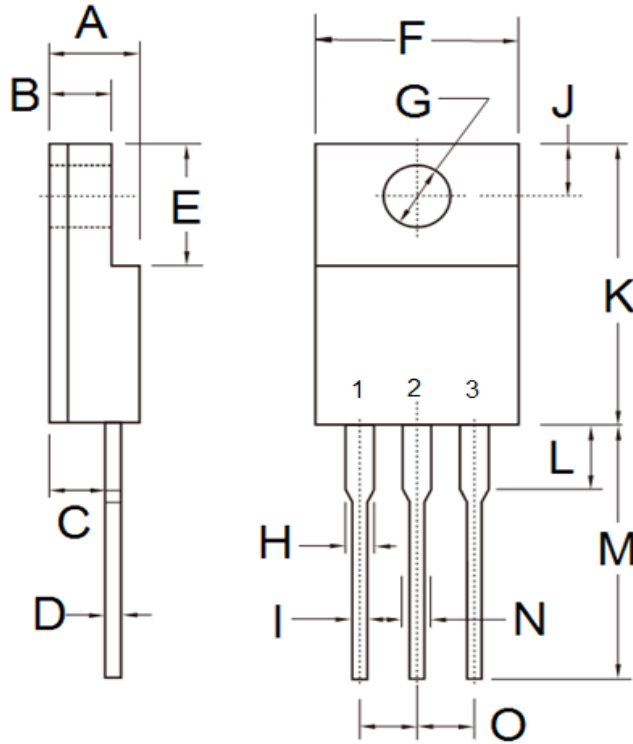


FIG. 4 TYPICAL REVERSE CHARACTERISTICS





PACKAGE OUTLINE DIMENSIONS



DIM.	Unit(mm)		Unit(inch)	
	Min	Max	Min	Max
A	4.30	4.70	0.169	0.185
B	2.50	3.16	0.098	0.124
C	2.30	2.96	0.091	0.117
D	0.46	0.76	0.018	0.030
E	6.30	6.90	0.248	0.272
F	9.60	10.30	0.378	0.406
G	3.00	3.40	0.118	0.134
H	0.95	1.45	0.037	0.057
I	0.50	0.90	0.020	0.035
J	2.40	3.20	0.094	0.126
K	14.80	15.50	0.583	0.610
L	-	4.10	-	0.161
M	12.60	13.80	0.496	0.543
N	-	1.80	-	0.071
O	2.41	2.67	0.095	0.105

MARKING DIAGRAM



P/N = Specific Device Code
 G = Green Compound
 YWW = Date Code
 F = Factory Code