ITO-220AB

SBF1060CT

SCHOTTKY BARRIER RECTIFIERS

REVERSE VOLTAGE - 50 to 60 Volts FORWARD CURRENT - 10 Amperes

FEATURES

DISCONTINUED

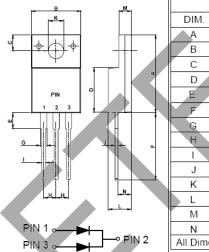
- · Metal of silicon rectifier, majority carrier conduction
- · Guard ring for transient protection
- · Low power loss, high efficiency
- · High current capability, low VF
- · High surge capability
- Plastic package has UL flammability classification 94V-0
- · For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications
- Lead-Free Finish; RoHS Compliant (Notes 1 & 2)

MECHANICAL DATA

· Package: ITO-220AB molded plastic Polarity: As marked on the body · Weight: 0.06 ounces, 1.70 grams

Mounting position: Any

Max. mounting torque = 0.5N.m (5.1Kgf-cm)



ITO-220AB					
DIM.	MIN.	MAX.			
A	15.50	16.50			
В	10.0	10.40			
С	3.00	3.50			
D	9.00	9.30			
E	2.90	3.60			
F	13.46	14.22			
G	1,15	1.70			
Н	2.40	2.70			
	0.75	1.00			
J	0.45	0.70			
K	3.00Ø	3.30 Ø			
L	4.36	4.77			
М	2.48	2.80			
N	2.50	2.80			
All Dimensions in millimeter					

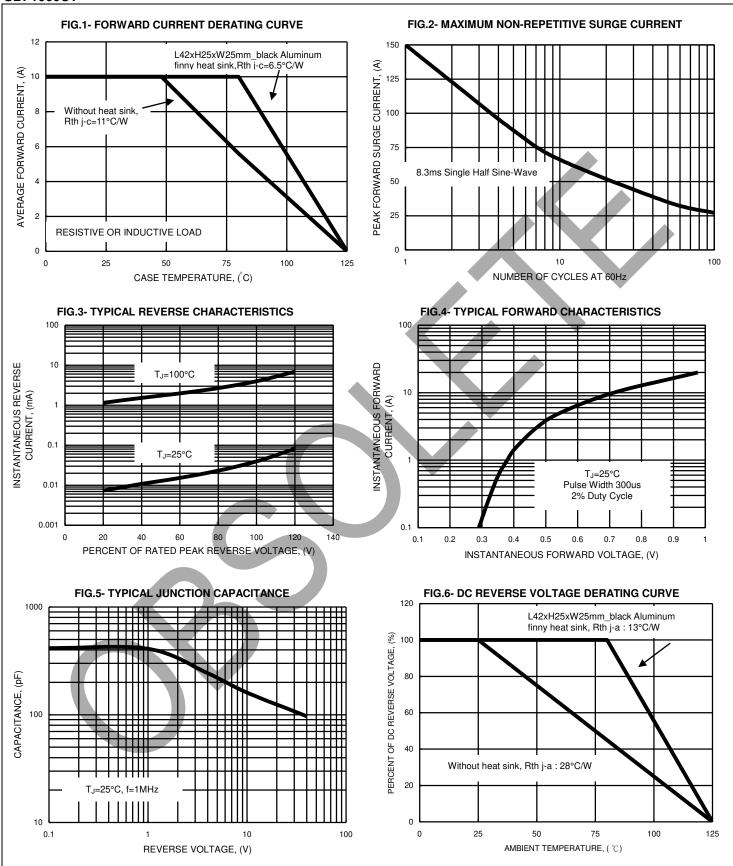
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at +25°C ambient temperature unless otherwise specified.

Trainings at 125 of ambient temperature amount of the second of the seco						
PARAMETER	SYMBOL	SBF1060CT	UNIT			
Maximum Repetitive Peak Reverse Voltage	VRRM	60	V			
Maximum RMS Voltage	VRMS	42	V			
Maximum DC Blocking Voltage	VDC	60	V			
Maximum Average Forward Rectified Current (See Fig.1) @Tc=+80°C	I(AV)	10	Α			
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load	IFSM	150	Α			
Maximum Forward Voltage at 5A DC (Note 3)	VF	0.7	٧			
Maximum DC Reverse Current @TJ=+25°C at Rated DC Blocking Voltage @TJ=+100°C	I _R	0.3 30	mA			
Typical Junction Capacitance per Element (Note 4)	CJ	250	pF			
Typical Thermal Resistance_Junction to Lead (Note 5)	R⊖JL	4.5	°C/W			
Operating Junction Temperature Range	TJ	-55 to +125	°C			
Storage Temperature Range	TstG	-55 to +150	°C			
Dielectric Strength from Terminals to Case AC with t = 1 Minute, RH < 30%	Vdis	2000	V			

- 1. EU Directive 2002/95/EC (RoHS), 2011/65/EU (RoHS 2) & 2015/863/EU (RoHS 3) compliant. All applicable RoHS exemptions applied.
- 2. See https://www.diodes.com/quality/lead-free/ for more information about Diodes incorporated's definitions of Halogen- and Antimony-free, "Green" and Lead-free.
- 3. 300us Pulse Width, 2% Duty Cycle.
- 4. Measured at 1.0MHz and applied reverse voltage of 4.0 V DC.
- 5. Thermal Resistance Junction to Lead with L42 x H25 x W25mm_black aluminum finny heat sink.



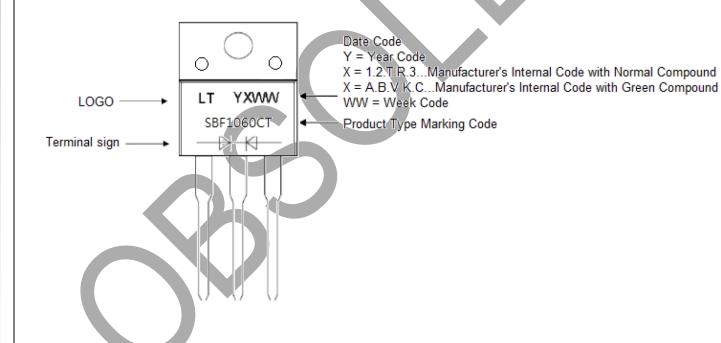




Ordering Information:

Part Number	Package	Packing		
		Qty.	Carrier	
SBF1060CT	ITO-220AB	50pcs	Tube	

Marking Information:





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