

Schottky Dual Diode

SBLF1630CT

30V / 16A

DATASHEET

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OEM – General Semiconductor

Source: General Semiconductor Databook 1998

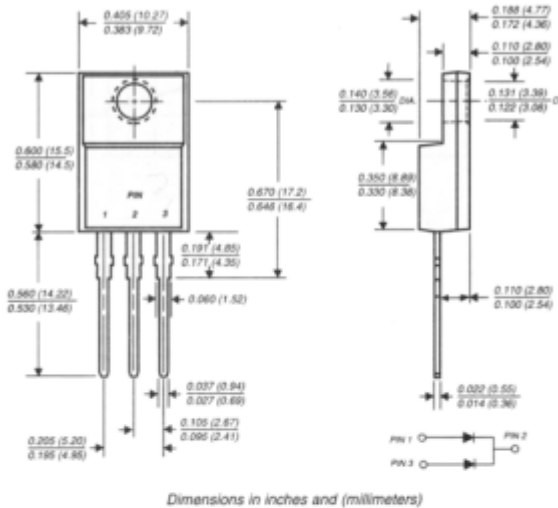
NEW PRODUCT NEW PRODUCT NEW PRODUCT

SBLF1630CT AND SBLF1640CT

SCHOTTKY RECTIFIER

Reverse Voltage - 30 and 40 Volts Forward Current - 16.0 Amperes

ITO-220AB



FEATURES

- ◆ Plastic package has Underwriters Laboratory Flammability Classifications 94V-0
- ◆ Metal silicon junction, majority carrier conduction
- ◆ Low power loss, high efficiency
- ◆ High current capability, low forward voltage drop
- ◆ High surge capability
- ◆ Epitaxial construction
- ◆ For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications
- ◆ High temperature soldering in accordance to CECC802 / Reflow guaranteed



MECHANICAL DATA

Case: JEDEC ITO-220AB molded plastic body
Terminals: Lead solderable per MIL-STD-750, Method 2026
Polarity: As marked
Weight: 0.08 ounce, 2.24 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

	SYMBOLS	SBLF1630CT	SBLF1640CT	UNITS
Maximum repetitive peak reverse voltage	VRRM	30	40	Volts
Maximum RMS voltage	VRMS	21	28	Volts
Maximum DC blocking voltage	VDC	30	40	Volts
Maximum average forward rectified current at T _C =95°C	I(AV)	16.0		Amps
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	250.0		Amps
Maximum instantaneous forward voltage per leg at 8.0A (NOTE 1)	V _F	0.55		Volts
Maximum instantaneous reverse current at rated DC blocking voltage per leg (NOTE 1)	I _R	0.5 50.0		mA
Typical thermal resistance per leg (NOTE 2)	R _{θJC}	4.0		°C/W
Operating junction and storage temperature range	T _J , T _{STG}	-40 to +125		°C

NOTES:

- (1) Pulse test: 300µs pulse width, 1% duty cycle
- (2) Thermal resistance from junction to case per leg

RATINGS AND CHARACTERISTIC CURVES SBLF1630CT AND SBLF1640CT

