



SBL1045CTSH

SCHOTTKY BARRIER RECTIFIER

Reverse Voltage - 45 Volts

Forward Current - 10 Amperes

FEATURES

- * Halogen-free type
- * Compliance to RoHS product
- * Low forward voltage drop
- * High current capacity
- * High reliability
- * High surge current capability
- * 10 Amperes total (5 Amperes per diode leg)
- * Plastic Material-UL Recognition Flammability Classification 94V-0

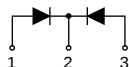
MECHANICAL DATA

Case : JEDEC TO-220AB molded plastic body

Terminals : Plated Leads, solderable per
MIL-STD-750, Method 2026

Polarity : Molded on body

Mounting Position : Any



*Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.	SYMBOLS	SBL1045CTSH	UNITS
Maximum repetitive peak reverse voltage	VRRM	45	Volts
Maximum RMS voltage	VRMS	32	
Maximum DC blocking voltage	VDC	45	
Peak repetitive forward current (rated VR, square wave, 20KHz)	IFM	10	
Maximum instantaneous forward voltage @ IF= 5 A	VF	0.55 0.50	
Maximum DC reverse current @Tj=25°C at rated DC blocking voltage @Tj=125°C	IR	0.20 50	
Typical junction capacitance (Note)	CJ	250	pF
Typical thermal resistance	R		