

	SBL2045CTSH SCHOTTKY BARRIER RECTIFIER		
	Reverse Voltage - 45 Volts		Forward Current - 20 Amperes
	FEATURES		
	* Halogen-free type * Compliance to RoHS produc * Low power loss & high efficiency * High surge capability * 20 Amperes total (10 Amperes per diode leg) * High surge current capability * Epitaxial construction * 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		
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS			
Ratings at 25 °C ambient temperature unless otherwise specified.	SYMBOLS	SBL2045CTSH	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	20	
Maximum instantaneous forward voltage @ IF= 10 A	VF	0.55 0.50	
Maximum DC reverse current @ Tj=25°C at rated DC blocking voltage @ Tj=125°C	IR	0.5 50	
Typical junction capacitance (Note)	CJ	400	pF
Typical thermal resistance	R		