SBR/SKBPC15005 Thru SBR/SKBPC1510 High Efficient Rectifiers

				Voltage Range -50 to 1000 Volts Current -15.0 Ampere								
Features Diffused Junction Low forward voltage drop High Current Capability High Reliability High Surge Current Capability Ideal for Printed Circuit Boards MECHANICAL DATA Case:Epoxy Case with Heat Sink Interally MIL-STD-202,Method 208 Polarity:As Marked on Body W eight:20grams(approx) Mounting Position Bolt Down on Heatsink With Silicone Therm Compound Between Bright and Mounting Surface for Maximum Heat T ransfer Ef Mounting T orque:20 in Ibs.Max. Marking:T ype Number											· · · · · · · · · · · · · · · · · · ·	
Maximum Ratings and Elect Rating at AC ambient temperature unless oth Single phase, half wave, 60 Hz, resistive or in	erwise specified.			derate o	urrent	by 20%						
VOLTAGE RATINGS												
CHARACTERISTICES	SYMBOL	-00	-01	-02	-04	-06	-08	-10	-12	-14	-16	UNT
Peak Repetitive Reverse Voltage	VARRM	50	100	200	400	600	800	1000	1200	1400	1600	v

CHARACTERISTICES	SYMBOL	-00	-01	-02	-04	-06	-08	-10	-12	-14	-16	UNT	
Peak Repetitive Reverse VOltage Working Peak Reverse Voltage DC Blocking Voltage	VARRM VRWM VR	50	100	200	400	600	800	1000	1200	1400	1600	V	
Peak Non-Repetitive Reverse Voltage	VRSM	75	150	275	500	725	900	100	1300	1500	1700	V	
PMS Reverse Voltage	VR(RMS)	35	70	140	280	420	560	700	840	980	1120	V	
FORWARD CONDUCTIO	N		-	-	-	-	-	-	-	-			
CHARACTERISTICS		SYMBOL			MT15						UNIT		
Maximum Average Forward Rectified Current@Tc=100°C		Ю			15						А		
Non-Repetitive Peak Forward Surge Current (No voltage Reapplied t=8.3ms at 60Hz) (No voltage Reapplied t=10ms at 50Hz) (100% VRRM Reapplied t=8.3ms at 60Hz) (100% VRRM Reapplied t=10ms at 50Hz)		IFMS			375 360 314 300						А		
l2t Rating for fusing (No voltage Reapplied t=8.3ms at 60Hz) (No voltage Reapplied t=10ms at 50Hz) (100% VRRM Reapplied t=8.3ms at 60Hz) (100% VRRM Reapplied t=10ms at 50Hz)		l2t			580 635 410 450						A.S		
Forward Voltage(per element) @TJ=25°C ,@LFOM=40APK per single junction		VF			1.26						V		
Peak Reverse Current (per leg)@TJ=25°C At Rated DC Blocking Voltage @TJ=125°C		IR			10 5.0						uA mA		
RMS losllation Voltage from Case to Lead		Vlso			2500						V		
THERMAL CHARACTERISTICS													
Operating Temperature Range		TJ				-40 to	+150				°C		
Storage Temperature Range		TSTG			-40 to +150						°C		
Thermal Resistance Junction to Case at DC Operatiom per Bridge		RQ JC			1.42						K/W		
Thermal Resistance Case to Case to Heatsink Mounting Surface, Smooth, Flat and Greased		RQCS			0.2						K/W		