

THREE PHASE GLASS PASSIVATED BRIDGE RECTIFIER
REVERSE VOLTAGE 400 to 1600 Volts FORWARD CURRENT 15 Ampere

SKBPC

High surge forward current capability



Dimensions in inches and (millimeters)

PARAMETER	SYMBOL	Conditions		SKBC 1504	SKBPC 1506	SKBPC 1508	SKBPC 1510	SKBPC 1512	SKBPC 1514	SKBPC 1516	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}			400	600	800	1000	1200	1400	1600	V
Average Rectified Output Current	I_O	60Hz sine wave, R-load	With heatsink $T_c=55^{\circ}C$	15							A
Surge(Nonrepetitive) Forward Current	I_{FSM}	60Hz sine wave, 1 cycle, $T_a=25^{\circ}C$		300							A
Current Squared Time	I^2t	1ms≤t<8.3ms $T_j=25^{\circ}C$ Rating of per diode		375							A ² S
Storage Temperature	T_{STG}			-40~+150							°C
Junction Temperature	T_J			-55~+150							°C
Dielectric Strength	V_{dis}	Terminals to case, AC 1 minute		2.5							KV
Item	SYMBOL	UNIT		Test Condition							Max
Peak Forward Voltage	V_{FM}	V		$I_{FM}=7.5A$, Pulse measurement, Rating of per							1.2
Peak Reverse Current	I_{RRM}	uA		$V_{RM}=V_{RRM}$, Pulse measurement, Rating of per diode							10
Thermal Resistance	$R_{\theta J-C}$	°C/W		Between junction and case, With heatsink							3.0

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SKBPC1504 THRU SKBPC1516

RATINGS AND CHARACTERISTIC CURVES

图1: I_o - T_c 曲线
FIG1: I_o - T_c Curve

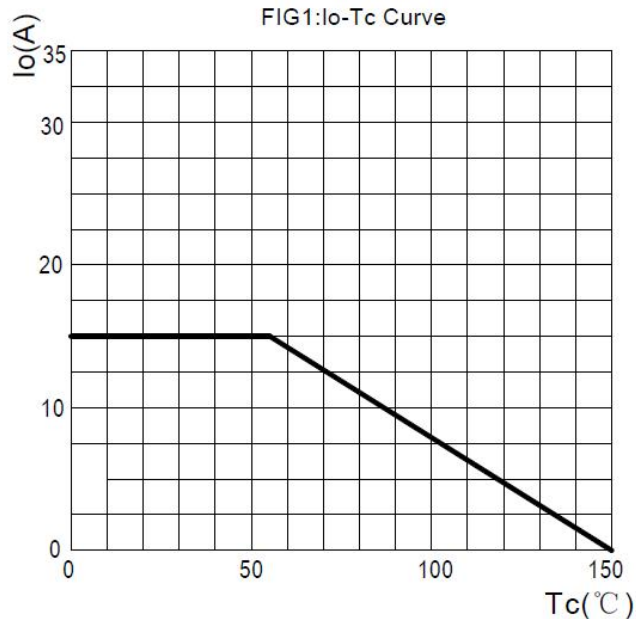


图2: 耐正向浪涌电流曲线
FIG2: Surge Forward Current Capability

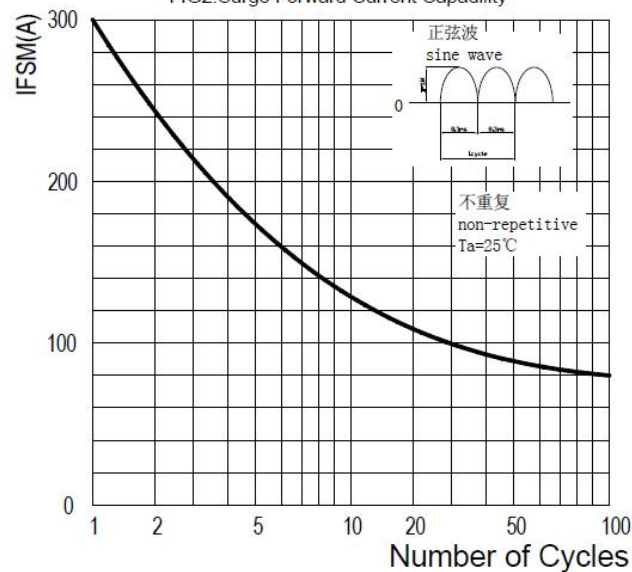


图3: 正向电压曲线
FIG3: Instantaneous Forward Voltage

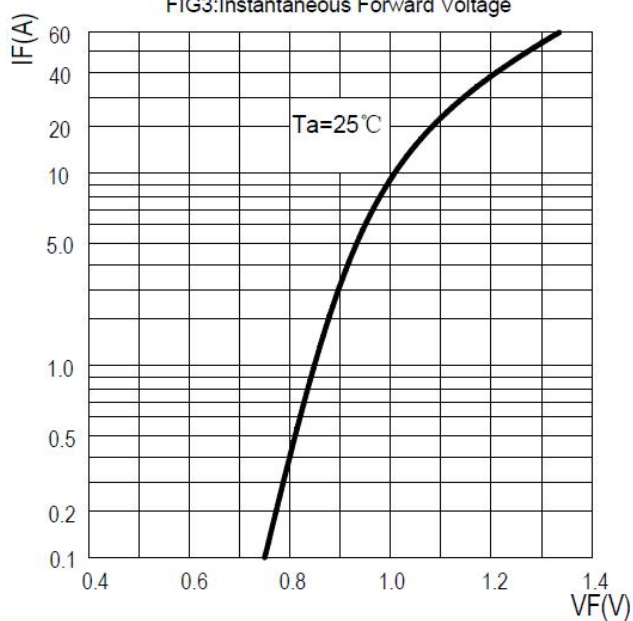
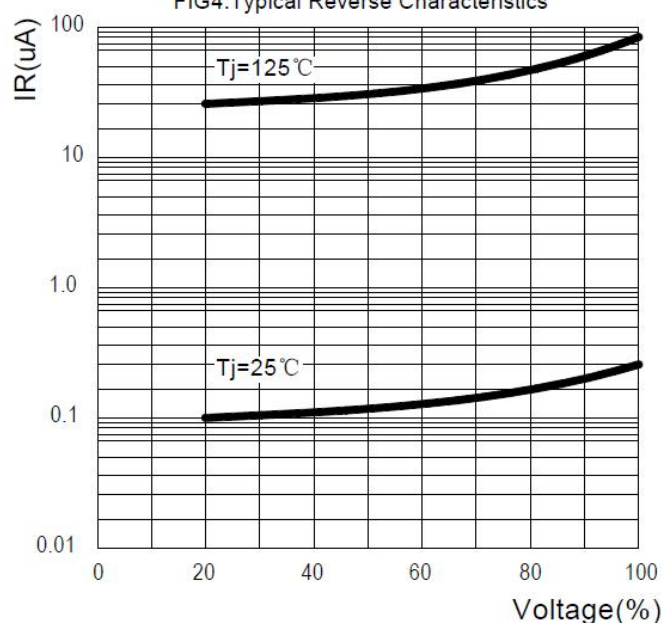


图4: 反向电流曲线
FIG4: Typical Reverse Characteristics



Note: Specifications are subject to change without notice.

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