

SKBPC2504 THRU SKBPC2516

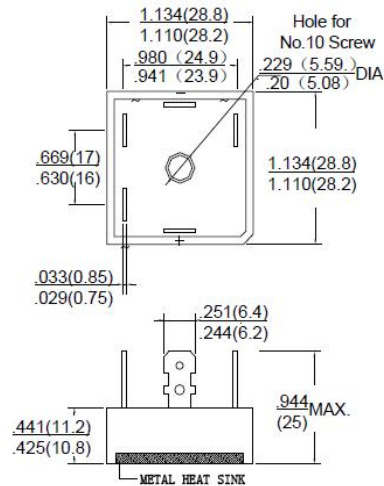
THREE PHASE GLASS PASSIVATED BRIDGE RECTIFIER

REVERSE VOLTAGE 400 to 1600 Volts FORWARD CURRENT 25 Ampere

FEATURES

- ◆ I_o 25A
- ◆ V_{RRM} 400V~1600V
- ◆ Glass passivated chip
- ◆ High surge forward current capability

SKBPC



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%

PARAMETER	SYMBOL	Conditions		SKBC 2504	SKBPC 2506	SKBPC 2508	SKBPC 2510	SKBPC 2512	SKBPC 2514	SKBPC 2516	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°C	25						A	
Surge(Nonrepetitive) Forward Current	I _{FSM}	60Hz sine wave, 1 cycle, T _a =25°C		360						A	
Current Squared Time	I ² t	1ms ≤ t < 8.3ms T _j =25°C Rating of per diode		540						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} =8.5A, Pulse measurement, Rating of per							1.2	
Peak Reverse Current	I _{RRM}	μA	V _{RM} =V _{RRM} , Pulse measurement, Rating of per diode							10	
Thermal Resistance	R _{θJ-C}	°C/W	Between junction and case, With heatsink							1.9	

SKBPC2504 THRU SKBPC2516

General purpose 3 phase Bridge Rectifier

REVERSE VOLTAGE 400 to 1600 Volts FORWARD CURRENT 25 Ampere

RATING AND CHARACTERISTIC CURVES SKBPC2504 THRU SKBPC2516

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

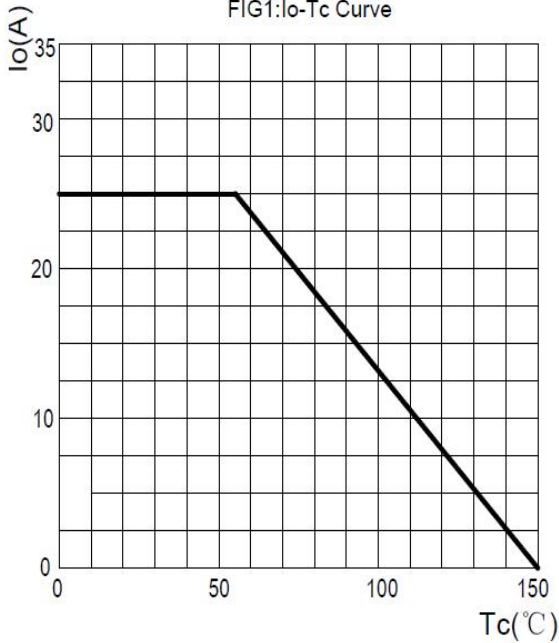


图2: 耐正向浪涌电流曲线
FIG2: Surge Forward Current Capacity

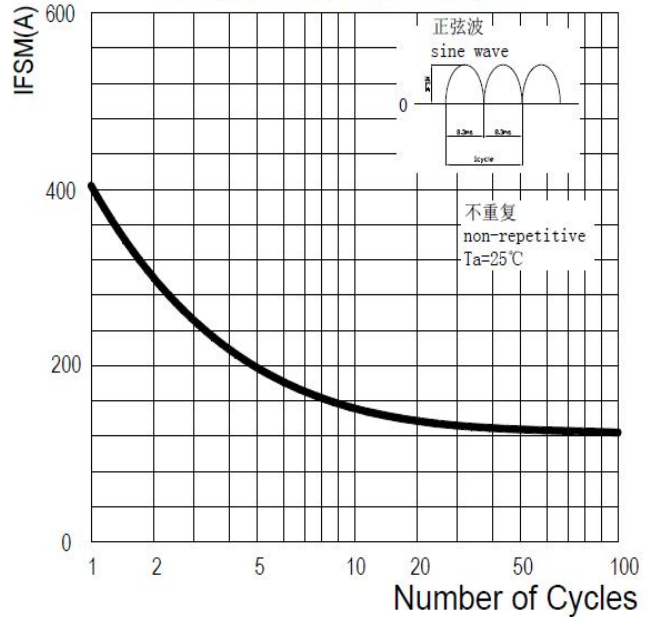


图3: 正向电压曲线
FIG3: Instantaneous Forward Voltage

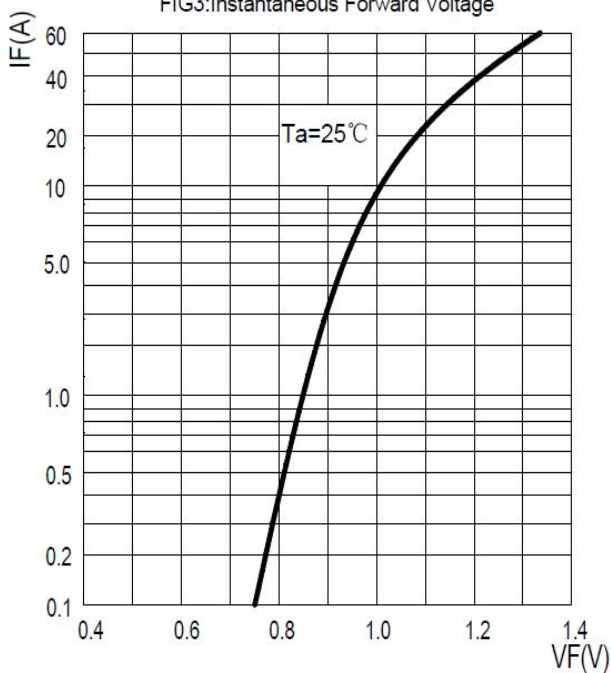
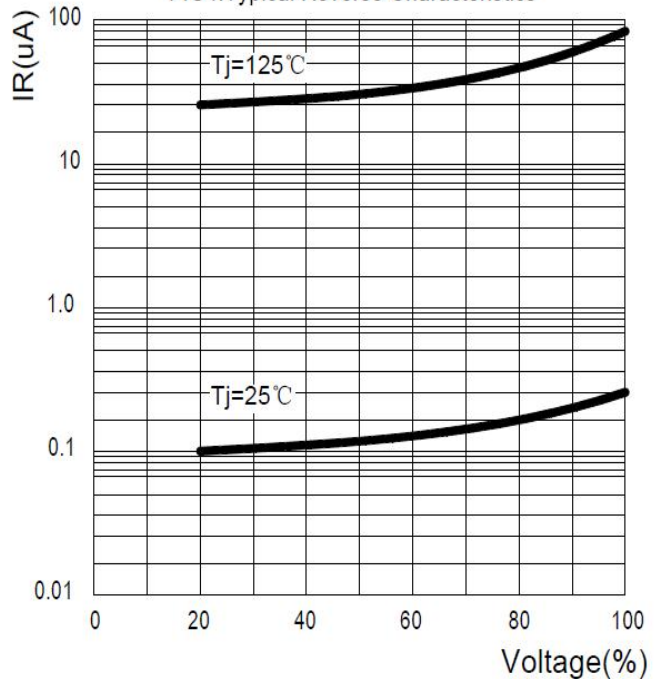


图4: 反向电流曲线
FIG4: Typical Reverse Characteristics



Note: Specifications are subject to change without notice. For more detail and update, please visit our website.