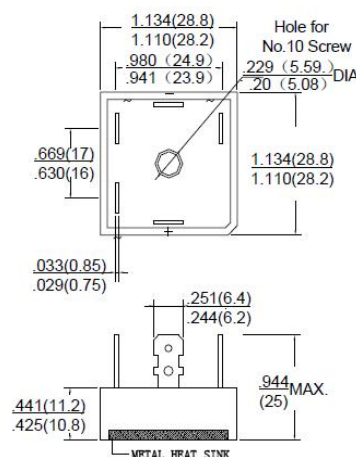


Kingtronics®**SKBPC2504 THRU
SKBPC2516****THREE PHASE GLASS PASSIVATED BRIDGE RECTIFIER****REVERSE VOLTAGE 400 to 1600 Volts****FORWARD CURRENT 25 Ampere****FEATURES**I_o 25AV_{RRM} 400V~1600V

Glass passivated chip

High surge forward current capability

SKBPC**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Ratings at 25°C ambient temperature unless otherwise specified ,
Single phase, half wave, 60Hz, resistive or inductive load.

Dimensions in inches and (millimeters)

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}	uA	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	

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RATINGS AND CHARACTERISTIC CURVES

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

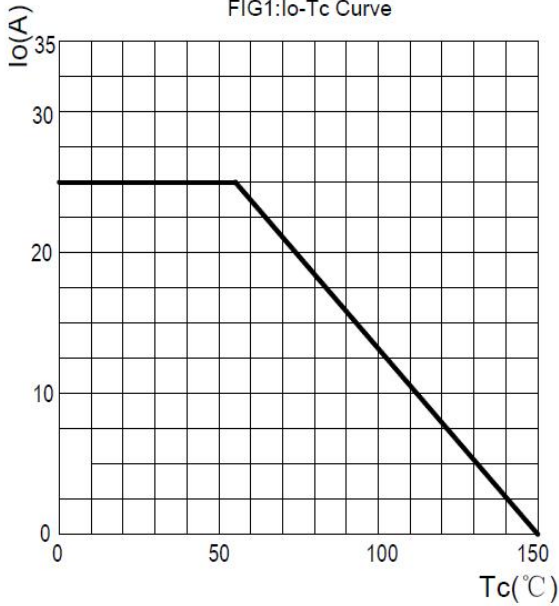


图2: 耐正向浪涌电流曲线
FIG2: Surge Forward Current Capability

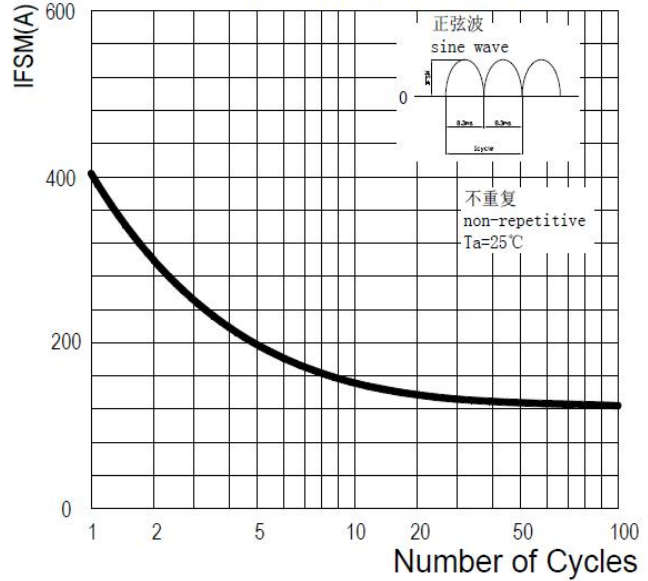


图3: 正向电压曲线
FIG3: Instantaneous Forward Voltage

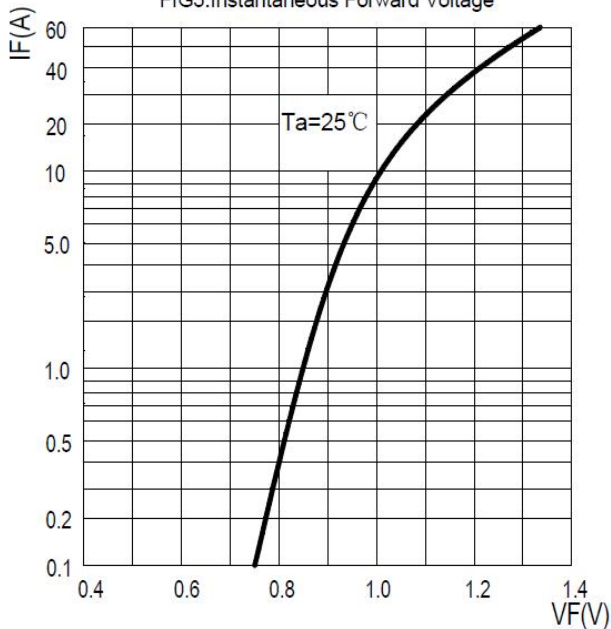
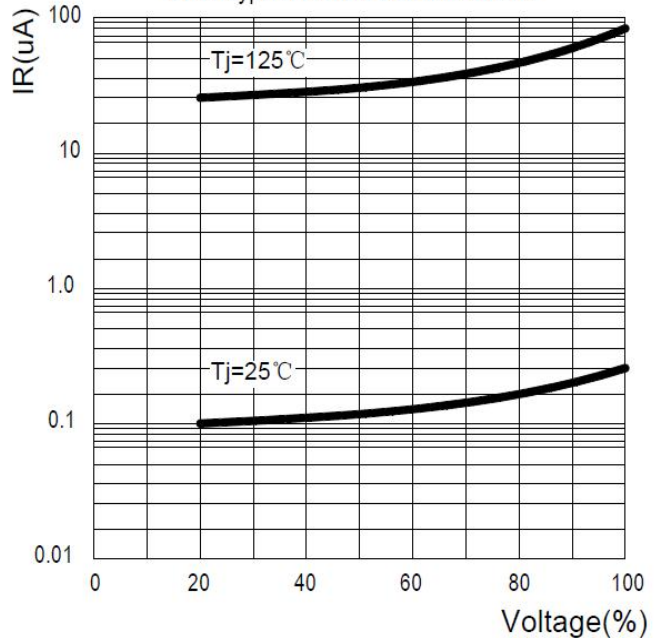


图4: 反向电流曲线
FIG4: Typical Reverse Characteristics



Note: Specifications are subject to change without notice.

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Website: www.kingtronics.com Email: info@kingtronics.com Tel: (852) 8106 7033 Fax: (852) 8106 7099