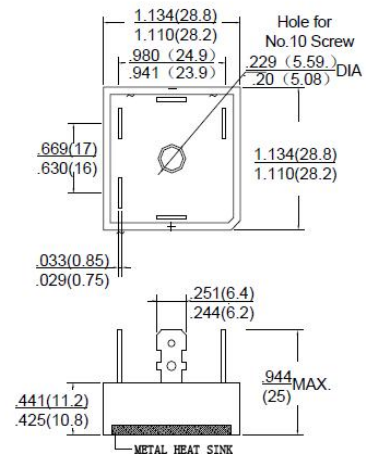


Kingtronics®**SKBPC1504 THRU
SKBPC1516****THREE PHASE GLASS PASSIVATED BRIDGE RECTIFIER**
REVERSE VOLTAGE 400 to 1600 Volts FORWARD CURRENT 15 Ampere**FEATURES**

- I_o 15A
- V_{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 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 $T_c=55^\circ\text{C}$	15								A
Surge(Nonrepetitive) Forward Current	I_{FSM}	60Hz sine wave, 1 cycle, $T_a=25^\circ\text{C}$	300								A
Current Squared Time	I^2t	1ms≤t<8.3ms $T_j=25^\circ\text{C}$ 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

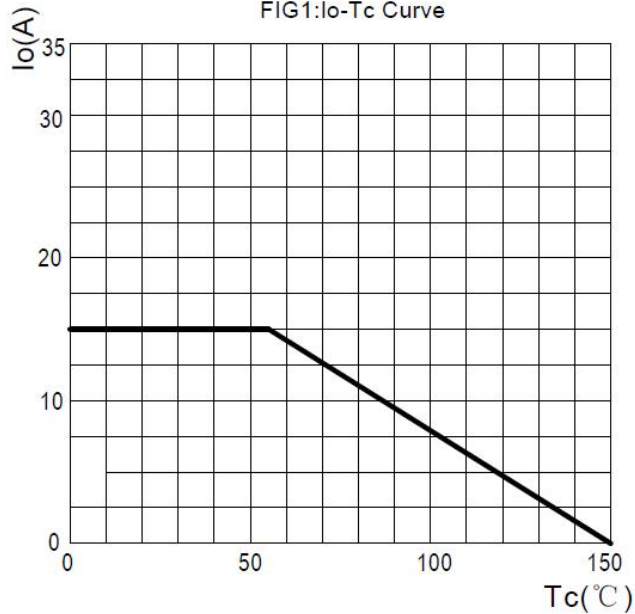


图2: 耐正向浪涌电流曲线
FIG2: Surge Forward Current Capability

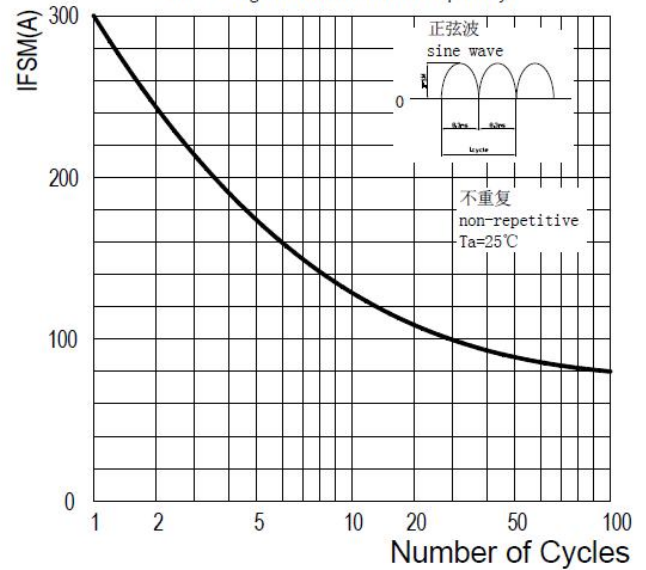


图3: 正向电压曲线
FIG3: Instantaneous Forward Voltage

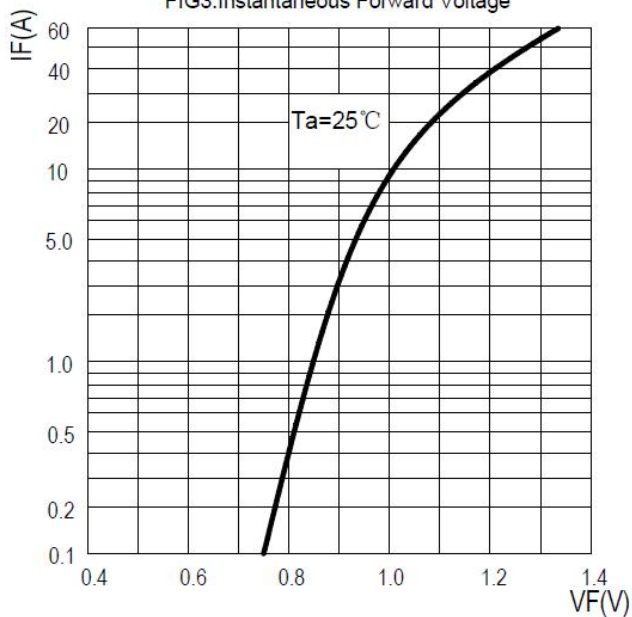
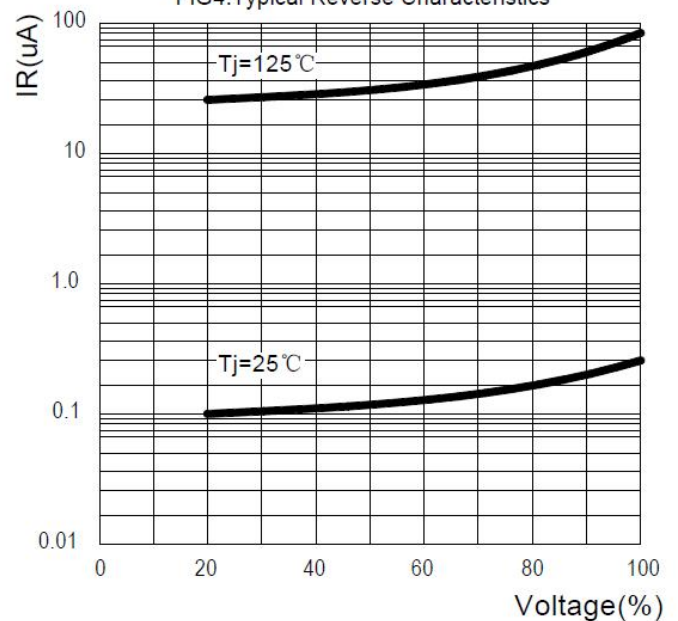


图4: 反向电流曲线
FIG4: Typical Reverse Characteristics



Note: Specifications are subject to change without notice.

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