

GLASS PASSIVATED BRIDGE RECTIFIERS		REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 2.0 Amperes							
<b>FEATURES</b> <ul style="list-style-type: none"> <li>● Glass passivated chip junction</li> <li>● High case dielectric strength</li> <li>● High surge current capability</li> </ul> Ideal for printed circuit board		<div style="text-align: center;"> <b>D3K</b> </div> <p style="text-align: center;">Dimensions in inches and (millimeters)</p>							
<b>MACHANICAL DATA</b> <ul style="list-style-type: none"> <li>● Terminal:Plated leads solderable per MIL-STD 202E, Method 208C</li> <li>● Case:UL-94 Class V-0 recognized Flame Retardant Epoxy</li> <li>● Polarity:Polarity symbol marked on body</li> <li>● Mounting position:any</li> </ul>									
<b>MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS</b>									
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%									
CHARACTERISTICS	SYMBOL	D2KB05	D2KB1	D2KB2	D2KB4	D2KB6	D2KB8	D2KB10	UNIT
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @ T <sub>c</sub> =138°C (with heatsink)	I <sub(av)< sub=""></sub(av)<>	2							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I <sub>FSM</sub>	60							A
Maximum Forward Voltage at 2.0A DC	V <sub>F</sub>	1.1							V
I <sup>2</sup> t Rating for Fusing (t<8.3ms)	I <sup>2</sup> t	14.94							A <sup>2</sup> s
Typical Thermal Resistance	without heatsink	R <sub>θja</sub>							°C/W
	with heatsink	R <sub>θjc</sub>							
	without heatsink	R <sub>θjL</sub>							
Maximum DC Reverse Current at Rated DC Blocking Voltage	@ T <sub>a</sub> =25°C	I <sub>R</sub>							μA
	@ T <sub>a</sub> =125°C	500							
Operating Temperature Range	T <sub>J</sub>	-55 to +150							°C
Storage Temperature Range	T <sub>STG</sub>	-55 to +150							°C
NOTES:The typical data above is for reference only(典型值仅供参考).									

FIG.1-DERATING CURVE OUTPUT  
RECTIFIED CURRENT

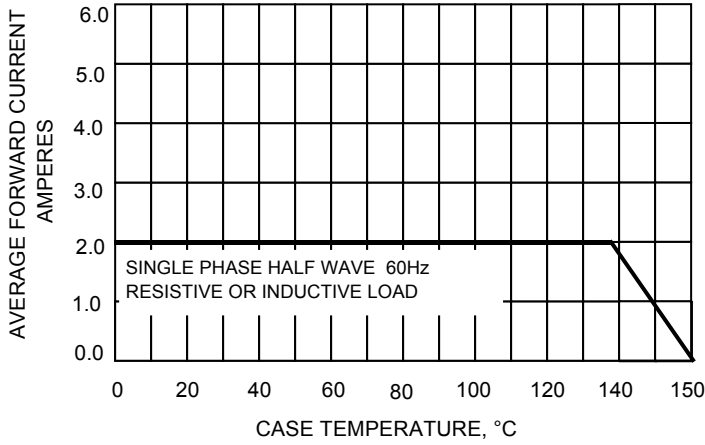


FIG.2-MAXIMUM NON-REPETITIVE SURGE CURRENT

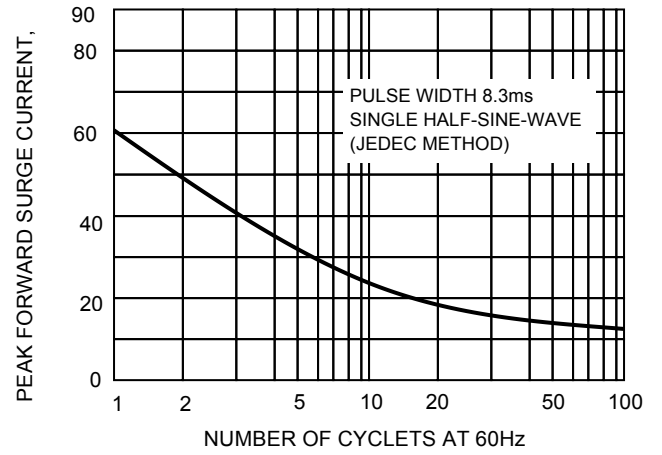


FIG.3-TYPICAL FORWARD CHARACTERISTICS

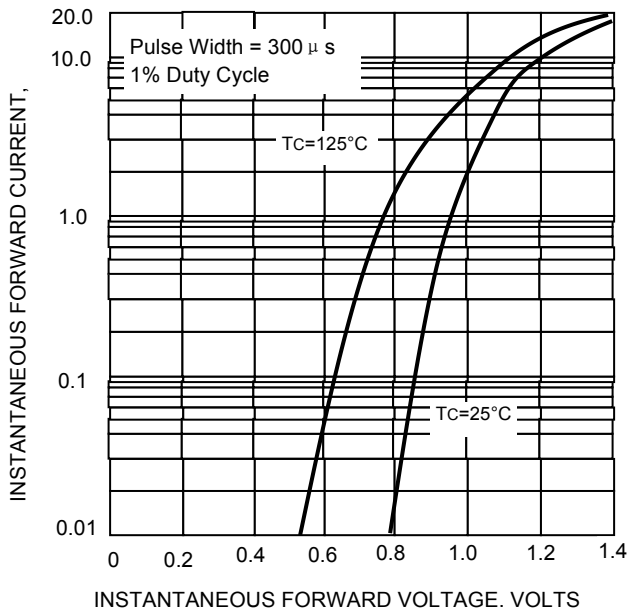
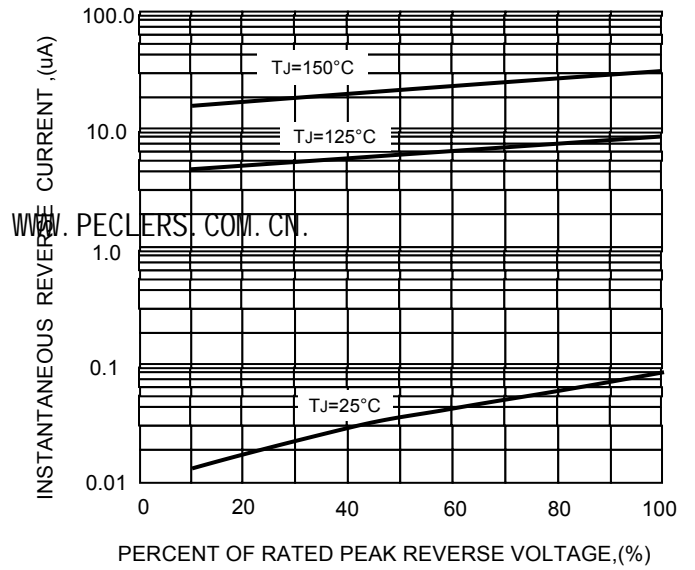


FIG.4-TYPICAL REVERSE CHARACTERISTICS



The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!