

Glass Passivated Bridge Rectifiers

FEATURES

- Glass passivated junction
- Ideal for printed circuit board
- Typical IR less than 0.1µA
- High surge current capability
- UL Recognized File # E-326243
- Compliant to RoHS Directive 2011/65/EU and in accordance to WEEE 2002/96/EC
- Halogen-free according to IEC 61249-2-21 definition





TS4K



MECHANICAL DATA

Case: TS4K

Molding compound, UL flammability classification rating 94V-0 Base P/N with suffix "G" on packing code - halogen-free **Terminal:** Matte tin plated leads, solderable per JESD22-B102

Meet JESD 201 class 1A whisker test **Polarity:** Polarity as marked on the body **Mounting torque:** 8.17 in-lbs maximum

Weight: 4 g (approximately)

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MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T _A =25°C unless otherwise noted)					
K80 U	Unit				
00	V				
60	V				
00	V				
	Α				
	Α				
,	A ² s				
	V				
	μA				
0(°C/W				
	οС				
	οС				
_ _ _					

Note 1: Pulse test with PW=300µs, 1% duty cycle



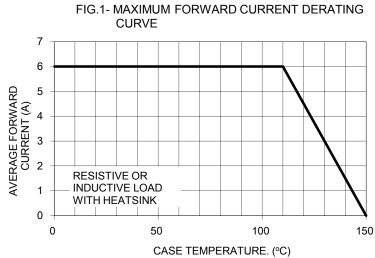
ORDERING INFORMATION					
PART NO.	PACKING CODE	GREEN COMPOUND	PACKAGE	PACKING	
		CODE			
TS6Kxx	D3	Suffix "G"	TS4K	20 / TUBE	
(Note 1) X0	Sullix G	TS4K	Forming		

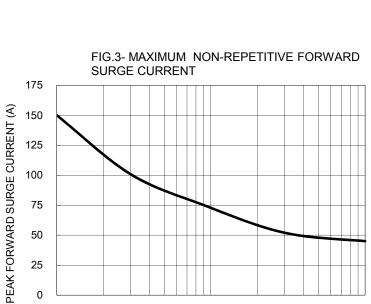
Note 1: "xx" defines voltage from 400V (TS6K40) to 800V (TS6K80)

EXAMPLE					
PREFERRED P/N	PART NO.	PACKING CODE	GREEN COMPOUND CODE	DESCRIPTION	
TS6K80 D3	TS6K80	D3			
TS6K80 D3G	TS6K80	D3	G	Green compound	

RATINGS AND CHARACTERISTICS CURVES

(TA=25 $^{\circ}$ C unless otherwise noted)

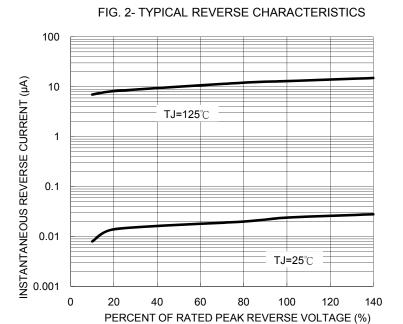


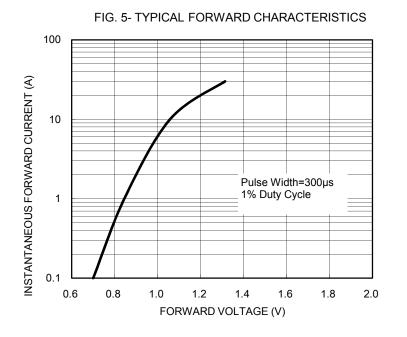


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NUMBER OF CYCLES AT 60Hz

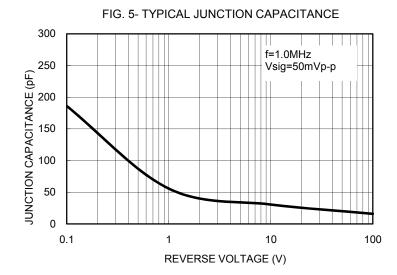
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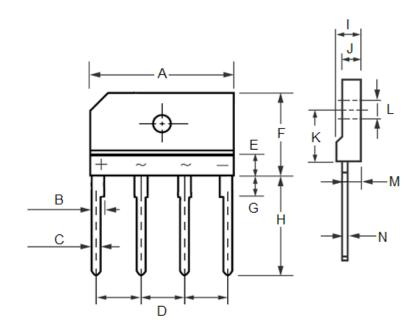


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PACKAGE OUTLINE DIMENSIONS



DIM.	Unit (mm)		Unit (inch)	
	Min	Max	Min	Max
Α	24.70	25.30	0.972	0.996
В	2.00	2.30	0.079	0.091
С	0.90	1.10	0.035	0.043
D	7.30	7.70	0.287	0.303
E	3.00	5.00	0.118	0.197
F	14.70	15.30	0.579	0.602
G	3.30	3.70	0.130	0.146
Н	17.00	18.00	0.669	0.709
ı	4.40	4.80	0.173	0.189
J	3.40	3.80	0.134	0.150
K	9.30	9.60	0.366	0.378
L	3.10	3.60	0.122	0.142
М	3.10	3.40	0.122	0.134
N	0.50	0.70	0.020	0.028

MARKING DIAGRAM



P/N = Specific Device Code G = Green Compound

YWW = Date Code

F = Factory Code

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