ULTRA FAST GLASS PASSIVATED RECTIFIERS

REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 2.0 Amperes

FEATURES

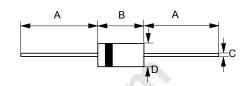
- · Glass passivated chip
- Ultra fast switching for high efficiency
- Low reverse leakage current
- Low forward voltage drop
- High current capability
- Easily cleaned with Freon, Alcohol, Chlorothene and similar solvents
- Plastic material has UL flammabitily classification 94V-0

MECHANICAL DATA

Case: JEDEC DO-15 molded plastic
Polarity: Color band denotes cathode
Weight: 0.015 ounces, 0.4 grams

• Mounting position : Any

DO-15



(6)	DO-15					
Dim.	Min.	Max.				
Α	25.4	-				
В	5.80	7.60				
С	0.71 Ø	0.86 Ø				
D	2.60 Ø	3.60 Ø				
All Dimensions in millimeter						

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

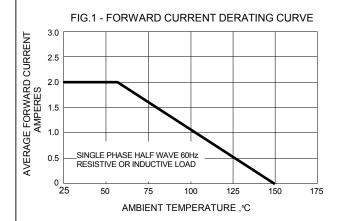
CHARACTERISTICS	SYMBOL	UG2001	UG2002	UG2003	UG2004	UG2005	UG2006	UG2007	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @TA=55°C	I(AV)	2.0							Α
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load(JEDEC Method)	IFSM				60				А
Maximum forward Voltage at 2.0A DC	VF		1.0		1.3		1.7		V
Maximum DC Reverse Current at Rated DC Blocking Voltage @TJ =25℃	lR				5 100				uA
Maximum Reverse Recovery Time (Note 1)	TRR		50				75		ns
Typical Junction Capacitance (Note 2)	Cı		30				15		pF
Typical Thermal Resistance (Note 3)	Reja Rejl Rejc				45 20 15				°C/W
Storage / Operatiing Temperature Range	Tstg, TJ			-	55 to +150)			°C

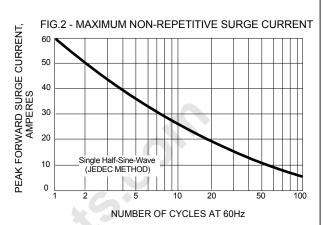
NOTES: 1.Test condition of Trr:IF=0.5A,Ir=1.0A,Irr=0.25A..

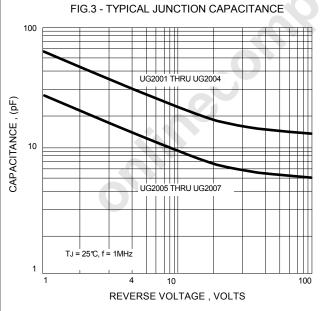
- 2.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.
- 3. Thermal Resistance Junction to Ambient, Lead and Case.

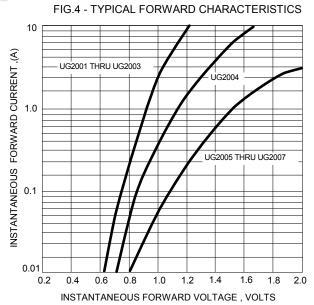
REV. 4, Sep-2010, KDFD01













Important Notice and Disclaimer

LSC reserves the right to make changes to this document and its products and specifications at any time without notice. Customers should obtain and confirm the latest product information and specifications before final design, purchase or use.

LSC makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does LSC assume any liability for application assistance or customer product design. LSC does not warrant or accept any liability with products which are purchased or used for any unintended or unauthorized application.

No license is granted by implication or otherwise under any intellectual property rights of LSC.

LSC products are not authorized for use as critical components in life support devices or systems without express written approval of LSC.