ULTRA FAST GLASS PASSIVATED RECTIFIERS

REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 1.0 Ampere

FEATURES

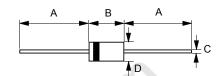
- Glass passivated chip
- Ultra fast switching for high efficiency
- Low reverse leakage current
- Low forward voltage drop
- High current capability
- Easily cleaned with Freon, Alcohol, Chlorothene and similar solvents
- Plastic material has UL flammabitily classification 94V-0

MECHANICAL DATA

Case: JEDEC DO-41 molded plastic
Polarity: Color band denotes cathode
Weight: 0.012 ounces, 0.34 grams

• Mounting position : Any

DO-41



	DO-41						
Dim.	Min.	Max.					
Α	25.4	-					
В	4.10	5.20					
С	0.71 Ø	0.86 Ø					
D	2.00 Ø	2.70 Ø					
All Dimensions in millimeter							

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

CHARACTERISTICS	SYMBOL	UG1001	UG1002	UG1003	UG1004	UG1005	UG1006	UG1007	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)				1.0				Α
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load (JEDEC Method)	IFSM				30				А
Maximum forward Voltage at 1.0A DC	VF		1.0		1.3		1.7		V
Maximum DC Reverse Current @TJ=25℃ at Rated DC Blocking Voltage @TJ=100℃	lR	5 100					uA		
Maximum Reverse Recovery Time (Note 1)	TRR		Ę	50			75		ns
Typical Junction Capacitance (Note 2)	CJ		2	20			10		pF
Typical Thermal Resistance (Note 3)	Reja Rejl Rejc				45 12 12				°C/W
Storage / Operating Temperature Range	Tstg ,TJ			-	55 to +15	0			°C

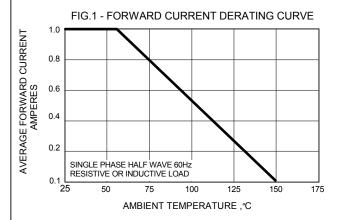
NOTES: 1.Test condition of Trr:IF=0.5A,Ir=1.0A,Irr=0.25A.

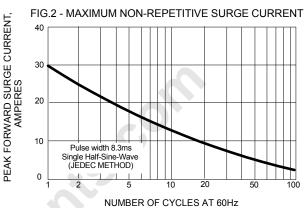
2.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

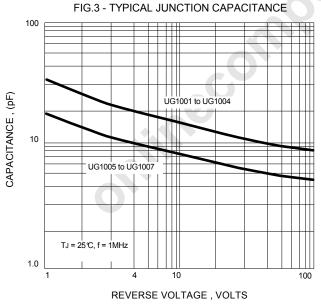
3. Thermal Resistance Junction to Ambient, Lead and Case.

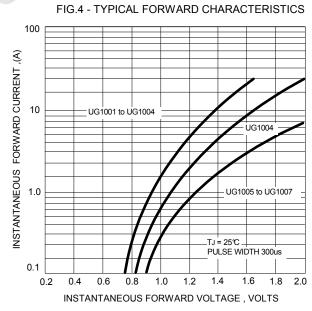
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