

**SUPER FAST  
GLASS PASSIVATED RECTIFIERS**

REVERSE VOLTAGE - **400 to 600** Volts  
FORWARD CURRENT - **1.0** Ampere

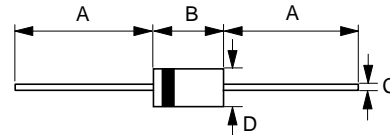
**FEATURES**

- Glass passivated chip
- Super fast switching time for high efficiency
- Low forward voltage drop and high current capability
- Low reverse leakage current
- Plastic material has UL flammability 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.
A	25.4	-
B	4.10	5.20
C	0.71 $\varnothing$	0.86 $\varnothing$
D	2.00 $\varnothing$	2.70 $\varnothing$
All Dimensions in millimeter		

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Ratings 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	MUR140	MUR160	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	400	600	V
Maximum RMS Voltage	VRMS	280	420	V
Maximum DC Blocking Voltage	VDC	400	600	V
Maximum Average Forward Rectified Current @TL=120°C	I(AV)	1.0		A
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load (JEDEC Method)	IFSM	35		A
Maximum forward Voltage at IF 1.0A DC @TJ=25°C @TJ=150°C	VF	1.25 1.05		V
Maximum DC Reverse Current at Rated DC Blocking Voltage @TJ=25°C @TJ=150°C	IR	5 150		uA
Reverse Recovery Time (Note 1)	TRR	50		ns
Typical Junction Capacitance (Note 2)	CJ	27		pF
Typical Thermal Resistance (Note 3)	RθJL	50		°C/W
Operating Temperature Range	TJ	-55 to +150		°C
Storage Temperature Range	TSTG	-55 to +150		°C

NOTES : 1.Measured with IF=0.5A,IR=1A,IRR=0.25A.  
2.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.  
3.Thermal Resistance Junction to Lead.

REV. 0, 23-Apr-2001, KDGC04

