

## D2L20U

**ULTRAFAST EFFICIENT  
PLASTIC SILICON RECTIFIER**  
VOLTAGE: 200v      CURRENT: 1.3A

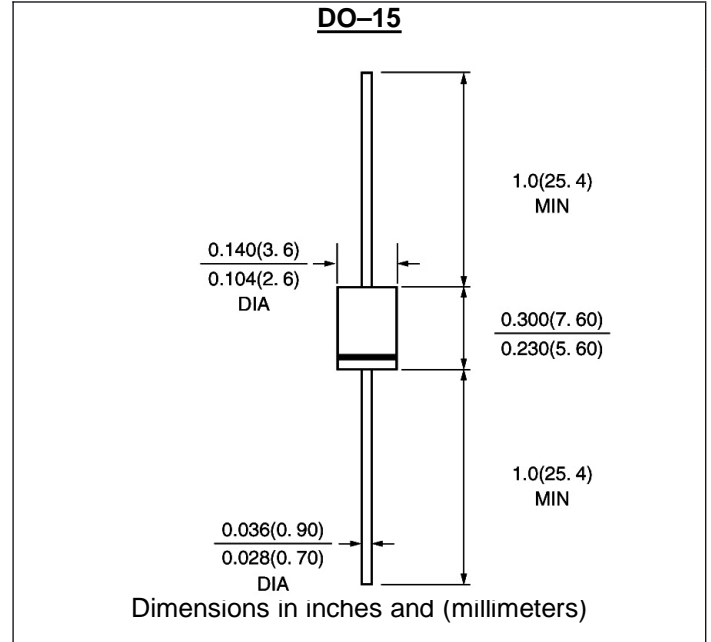


### FEATURE

Low power loss  
High surge capability  
Glass passivated chip junction  
Ultra-fast recovery time for high efficiency  
High temperature soldering guaranteed  
250°C/10sec/0.375" lead length at 5 lbs tension

### MECHANICAL DATA

Terminal: Plated axial leads solderable per  
MIL-STD 202E, method 208C  
Case: Molded with UL-94 Class V-0 recognized Flame  
Retardant Epoxy  
Polarity: color band denotes cathode  
Mounting position: any



### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half -wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated)

	SYMBOL	D2L20U	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	200	V
Maximum RMS Voltage	Vrms	140	V
Maximum DC blocking Voltage	Vdc	200	V
Maximum Average Forward Rectified Current 3/8" lead length at Ta =25°C	If(av)	1.5	A
Peak Forward Surge Current 10ms single half sine-wave superimposed on rated load	Ifsm	40.0	A
Maximum Forward Voltage at Pulse Measurement If=1.5A	Vf	0.98	V
Maximum DC Reverse Current Ta =25°C at rated DC blocking voltage Ta =125°C	Ir	10.0 100.0	μ A μ A
Maximum Reverse Recovery Time (Note 1)	Trr	35	nS
Typical Junction Capacitance (Note 2)	Cj	20	pF
Typical Thermal Resistance (Note 3)	R(ja)	105	°C/W
Storage and Operating Junction Temperature	Tstg,Tj	-55 to +150	°C

#### Note:

1. Reverse Recovery Condition If =0.5A, Ir =1.0A, Irr =0.25A
2. Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc
3. Thermal Resistance from Junction to Ambient at 3/8" lead length, P.C. Board Mounted



MARKING:



Fig.1 Derating Curve

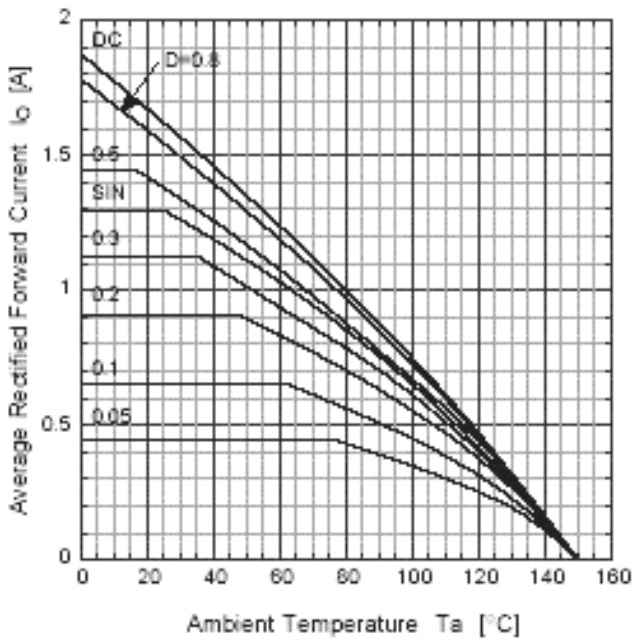


Fig.2 Forward Voltage

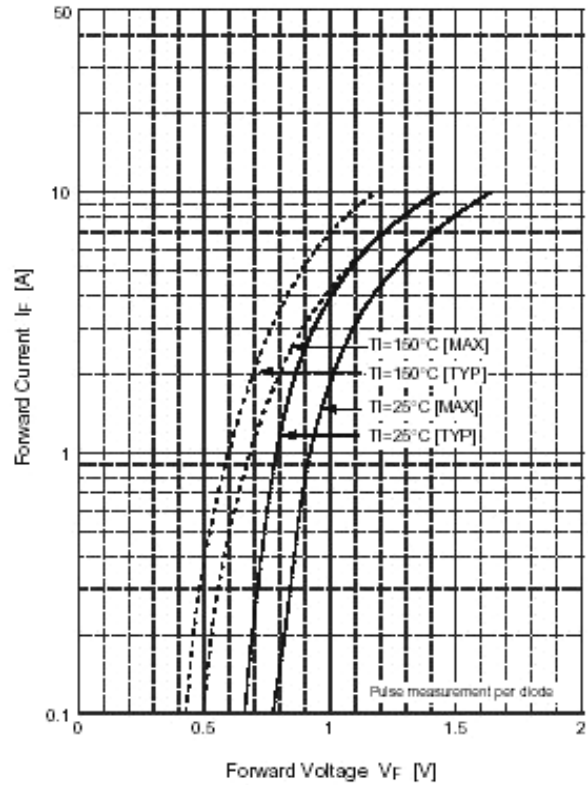


Fig.3 Peak Surge Forward Capability

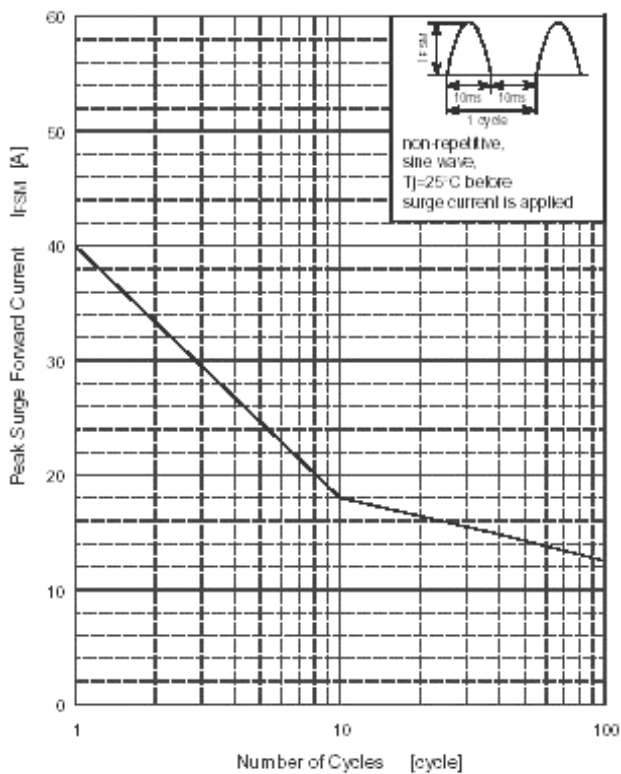


Fig.4 Junction Capacitance

