

2,000 V - 5,000 V Rectifiers
0.05 A - 0.25 A Forward Current
70 ns Recovery Time

1N6529U
1N6531U
1N6533U

SURFACE MOUNT
HERMETICALLY SEALED

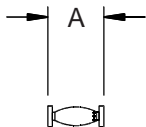


ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

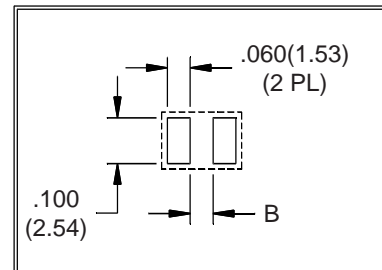
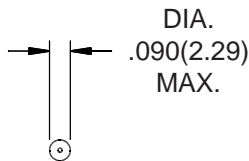
Part Number	Working Reverse Voltage (V _{rwm})	Average Rectified Current (I _o)		Reverse Current @ V _{rwm} (I _r)		Forward Voltage (V _f)		1 Cycle Surge Current t _p =8.3ms (I _{fsm})	Repetitive Surge Current (I _{frm})	Reverse Recovery Time (3) (T _{rr})	Thermal Impd. θ _{J-C}	Junction Cap. @50VDC @1kHz (C _j)
		55 °C(1)	100 °C(2)	25 °C	100 °C	25 °C	25 °C	25 °C	25 °C	25 °C	25 °C	25 °C
	Volts	Amps	Amps	µA	µA	Volts	Amps	Amps	Amps	ns	°C/W	pF
1N6529U	2000	0.250	0.125	0.1	10	3.0	0.025	10	1.50	70	20	4.0
1N6531U	3000	0.100	0.050	0.1	10	7.0	0.025	8	1.25	70	20	2.0
1N6533U	5000	0.050	0.025	0.1	10	9.0	0.025	4	0.75	70	20	1.0

(1)TC=55°C (2)TC=100°C (3)I_f=12.5mA, I_r=25.0mA, I_{rr}=6.3mA *Op. Temp.= -65°C to +175°C Stg. Temp.= -65°C to +200°C

Markings:
 Three Dots for polarity.



.022
 Dimension uncontrolled
 in this area due to
 solder fillet.



Part	A	B
1N6529U	.190(4.83) MAX.	.110(2.79)
1N6531U	.210(5.34) MAX.	.130(3.30)
1N6533U	.230(5.84) MAX.	.150(3.81)



Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.



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