

2,000 V - 5,000 V Rectifiers

0.15 A - 0.50 A Forward Current

70 ns Recovery Time

1N6521U

1N6523U

1N6525U

SURFACE MOUNT
HERMETICALLY SEALED



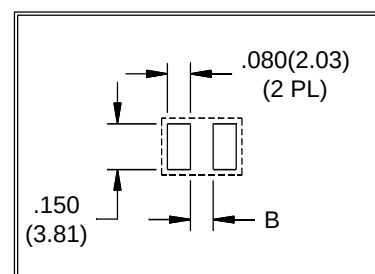
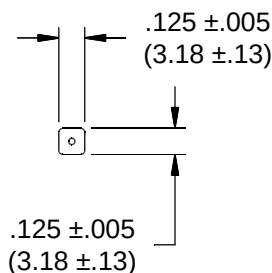
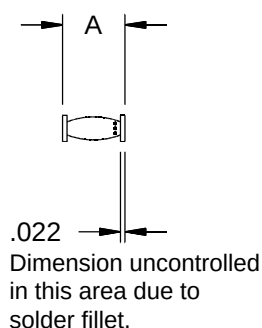
ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage	Average Rectified Current		Reverse Current @ Vrwm		Forward Voltage		1 Cycle Surge Current tp=8.3ms (Ifsm)	Repetitive Surge Current (Ifrm)	Reverse Recovery Time (3) (Trr)	Thermal Impd. θ_{J-C}	Junction Cap. @50VDC @1kHz (Cj)
	(Vrwm)	(Io)		(Ir)		(Vf)						
	Volts	55°C(1)	100°C(2)	25°C	100°C	25°C	25°C	25°C	25°C	25°C	25°C	25°C
		Amps	Amps	μA	μA	Volts	Amps	Amps	Amps	ns	°C/ W	pF
1N6521U	2000	0.50	0.250	0.5	20	3.0	0.50	25	5	70	6	8
1N6523U	3000	0.25	0.125	0.5	20	5.0	0.25	15	3	70	6	4
1N6525U	5000	0.15	0.075	0.5	20	7.0	0.15	10	2	70	6	3

(1)TC=55°C (2)TC=100°C (3)If=0.5A, Ir=1.0A, Irr=0.25A *Op. Temp.= -65°C to +175°C Stg. Temp.= -65°C to +200°C

Markings:

Three Dots for polarity.



Part	A	B
1N6521U	.265 ±.010 (6.73 ±.25)	.170(4.32)
1N6523U	.280 ±.010 (7.11 ±.25)	.185(4.70)
1N6525U	.300 ±.010 (7.62 ±.25)	.205(5.21)



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



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1N6521U 1N6523U 1N6525U

