

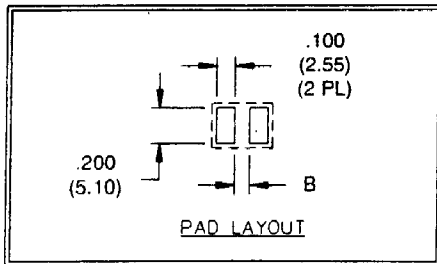
SURFACE MOUNT RECTIFIERS

70ns Recovery • Hermetic

ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (V _{rw})	Average Rectified Current		Reverse Current @ V _{rw}		Forward Voltage		1 Cycle Surge Current t _p =8.3ms (I _{fsm})	Repetitive Surge Current (I _{frm})	Reverse Recovery Time (3) (T _{rr})	Thermal Impd. (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	°C/W	pF
		Amps	Amps	µA	µA	Volts	Amps	Amps	ns			
1N6512U*	1500	5.0	3.3	1.0	25	3.5	2.0	100	15	70	4	25
1N6513U*	2000	5.0	3.3	1.0	25	3.5	2.0	100	15	70	4	25
1N6514U*	2500	3.5	2.3	1.0	25	6.0	1.5	60	10	70	4	20
1N6515U*	3000	3.5	2.3	1.0	25	6.0	1.5	60	10	70	4	20
1N6516U*	4000	2.0	1.3	1.0	25	8.0	1.0	40	8	70	4	16
1N6517U*	5000	2.0	1.3	1.0	25	8.0	1.0	40	8	70	4	16

(1) TC=55°C (2) TC=100°C (3) I_f=0.5A, I_r=1.0A, I_{rr}=0.25A • Op. Temp. = -65°C to +175°C Stg. Temp. = -65°C to +200°C



	A	B	C	D
1N6512U 1N6513U	0.235±0.010 (6.1±0.25)	0.105 (2.7)	0.175±0.005 (4.45±0.15)	0.031 (0.79) Dimension, in this area, is uncontrolled due to the solder fillet
1N6514U 1N6515U	0.255±0.010 (6.4±0.25)	0.125 (3.2)		
1N6516U 1N6517U	0.275±0.010 (6.9±0.25)	0.145 (3.7)		

