

DIONICS INC

88 DE 2848804 0000344 6

DIODES

5

100% Probe Tested to These Parameters @ 25°C

Guaranteed
tested on
(sample basis)

COMPLEMENTARY SWITCHING DIODES (*AVAILABLE IN 16 PIN DIP ARRAYS)

1N914* EQUIVALENT TO 1N4148	V _{BR} Volts Min. @I _R =100μA	I _R Max. μA @ V _R Volts		I _F mA Min. @ V _F =1.0V	C _T pf Max. @ 0V	t _{rr} Max. in N-Sec I _F =10mA; recover to I _R =-1 mA	GEOM- ETRY
		5.0 @ 75V	0.025 @ 20V				
1N914-N	100	1.0 @ 75V	0.001 @ 20V	10	4.0	4.0	Q
1N914-R*	60	5.0 @ 50V	0.025 @ 20V	10	6.0	50	R
1N914-RN	60	1.0 @ 50V	0.001 @ 20V	10	6.0	500	R
1N914-HV	200	1.0 @ 75V	0.001 @ 20V	10	4.0	100	Q
1N914-B	75	5.0 @ 60V	0.025 @ 20V	50	4.0	4.0	Q
DE100 DF100	75	0.10		200	2	6.0	S T

HIGH POWER SWITCHING DIODES

	V _{BR} Volts Min. I _R = 100μA	I _R Max. μA @ V _R Volts	V _F Max. @ I _F Amps	C _T pf Max. @ 0V	t _{rr} Max. I _F = 1 Amp I _R = -1 Amp	GEOM- ETRY
DE 3101/5	100	10μA at 90V	1μA at 80V	1.65 at 15 Amps	35 ns	U
DE 3101/2	100	10μA at 90V	1μA at 80V	1.60 at 7 Amps	35 ns	V

DIODE QUADS

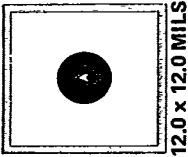
	Matched Characteristic		I _R Max. μA @ V _R Volts	I _F mA Min. @ V _F =1.0V	C _T pf Max.	t _{rr} Max @ I _F =10mA; recover to I _R = -1 mA	GEOM- ETRY
	ΔV _F mV Max. @ I _F =1.0mA	V _{BR} Volts Min. @ I _R =100μA					
DI 914-1Q -2Q -3Q	10	75 60 45	.025 @ 65 .025 @ 50 .025 @ 35	10	3.0	*750 nsec.	W
DI 914-1QM -2QM -3QM	3.5	75 60 45	.010 @ 65 .010 @ 50 .020 @ 35	20	3.0	*750 nsec.	W

DIODE QUAD BRIDGES

	V _{BR} (Each Diode) Volts Min. @ I _R =100μA	I _R (Each Diode) μA Max. @ V _R Volts	I _F (Each Diode) mA Min. @ V _F =1.0V	C _T (Each Diode) pf Max.	t _{rr} Max. (Each Diode) @ I _F =10mA; recover to I _R =-1mA	GEOM- ETRY
DI 914-1B -2B -3B	75 60 45	.010 @ 65 .010 @ 50 .010 @ 35	20	3.0	*750 nsec.	X

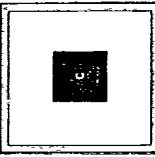
*Also available with t_{rr} Max. @ 10 nsec.

Q



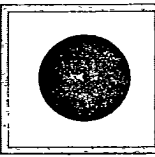
12.0 x 12.0 MILS

R



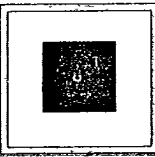
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S



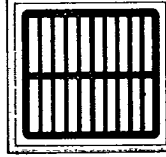
17.0 x 17.0 MILS

T

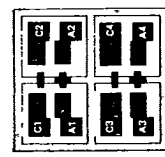


19.0 x 19.0 MILS

U V

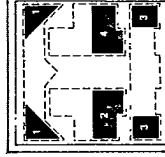
110 x 110 MILS
75 x 75 MILS

W



25.0 x 25.0 MILS

X



25.0 x 25.0 MILS