



MICROWAVE PIN DIODE DRIVERS

FEATURES:

- MIL-STD-883 SCREENING
- -65° TO +150°C STORAGE TEMP RANGE
- TTL COMPATIBLE INPUTS
- -55° TO +125°C OPERATING TEMP RANGE

MODEL	CHANNEL NUMBER	OUTPUT CURRENT						OUTPUT VOLTAGE OPEN CKT (VEE = -12) (V)		MAX SWITCH TIME (ns)		MAX REP RATE (MHz)	OPERATING VOLTAGE LIMIT				PACKAGE
		DC (mA)				MIN PEAK (mA)											
		POSITIVE		NEGATIVE													
		MIN	MAX	MIN	MAX	POS	NEG	POS	NEG	TON	TOFF		MIN	MAX	MIN	MAX	
PD111 ¹	1	12	18	12	18	300	300	2.5	5.5	15	18	5	4.5	5.5	4.5	16	A
PD211 ²	2	12	18	12	18	300	300	2.5	5.5	15	18	5	4.5	5.5	4.5	16	A
PD217	2	24/60	36/60	24/40	36/60	N/A	N/A	3.5	11.0	100	200	1	4.5	5.5	4.5	16	D
PD311 ³	1	8	12	24	36	300	300	4.0	11.0	6	8	20	4.5	5.5	4.5	5.5	A
PDF311	1	8	12	34	36	300	300	4.0	11.0	12	15	10	4.5	5.5	4.5	16	A
PD350	3	40	60	40	60	N/A	N/A	3.5	11.0	100	200	1	4.5	5.5	4.5	16	B
PD450	4	40	60	40	60	N/A	N/A	3.5	11.0	100	200	1	4.5	5.5	4.5	16	B
PD630 ⁴	6	24	36	12	18	N/A	N/A	4.0	5.0	45	50	1	4.5	5.5	4.5	16	B
PD650	6	40	60	40	60	N/A	N/A	3.5	11.0	100	200	1	4.5	5.5	4.5	16	B
PD1050 ⁴	10	40	60	24	36	N/A	N/A	4.0	5.0	45	50	1	4.5	5.5	4.5	16	C
PDF2311	2	8	12	24	36	300	300	4.0	11.0	12	15	10	4.5	5.5	4.5	16	D
PDF3311	3	10	14	10	14	300	300	4.0	4.5	10	10	10	4.5	5.5	4.5	12	B

NOTES: 1. PD111 is available in a smaller package (.380" x .380" x .090")

2. Different output are available for PD211:

PD211B: positive output current + 30 mA $\pm$ 20%

PD211-10: negative output voltage -10V $\pm$ 20%

PD211-30: negative output voltage -10V $\pm$ 20% and negative output current -30mA $\pm$ 20%

Any combination of the above is available.

3. Different output current are available for PD311:

PD311B: $\pm$ 40mA (MIN), $\pm$ 60mA (MAX)

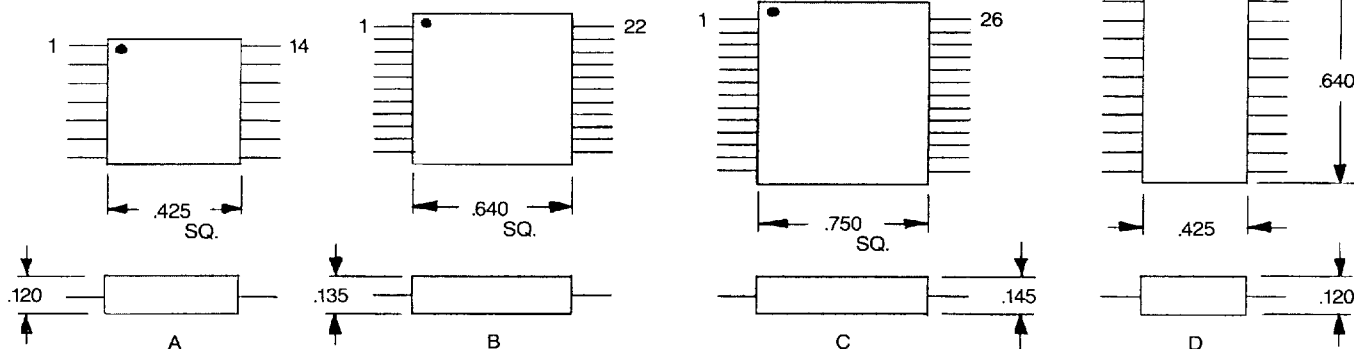
PD311C: $\pm$ 10mA (MIN), $\pm$ 15mA (MAX)

PD311D: $\pm$ 24mA (MIN), $\pm$ 12mA (MAX)

PD311E: $\pm$ 8mA (MIN), $\pm$ 12mA (MAX)

4. PD630 and PD1050 are with decoder input.

PACKAGES (Dims. in inches)



• MPT OFFERS A COMPLETE LINE OF PIN DIODE SWITCH DRIVERS WITH OUTPUT CURRENT CAPABILITY OF 10 mA TO 50 mA AND SWITCHING SPEEDS AS FAST AS 6 NS. ECL COMPATIBLE DRIVER IS ALSO AVAILABLE.

• ALL MPT DRIVERS ARE DESIGNED BY OUR EXPERIENCED ENGINEERING STAFF, THUS, IF THE DRIVERS LISTED IN THE TABLE DO NOT MEET YOUR REQUIREMENTS: WE WOULD BE HAPPY TO DISCUSS A CUSTOM CIRCUIT TO FIT YOUR EXACT NEEDS.

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