



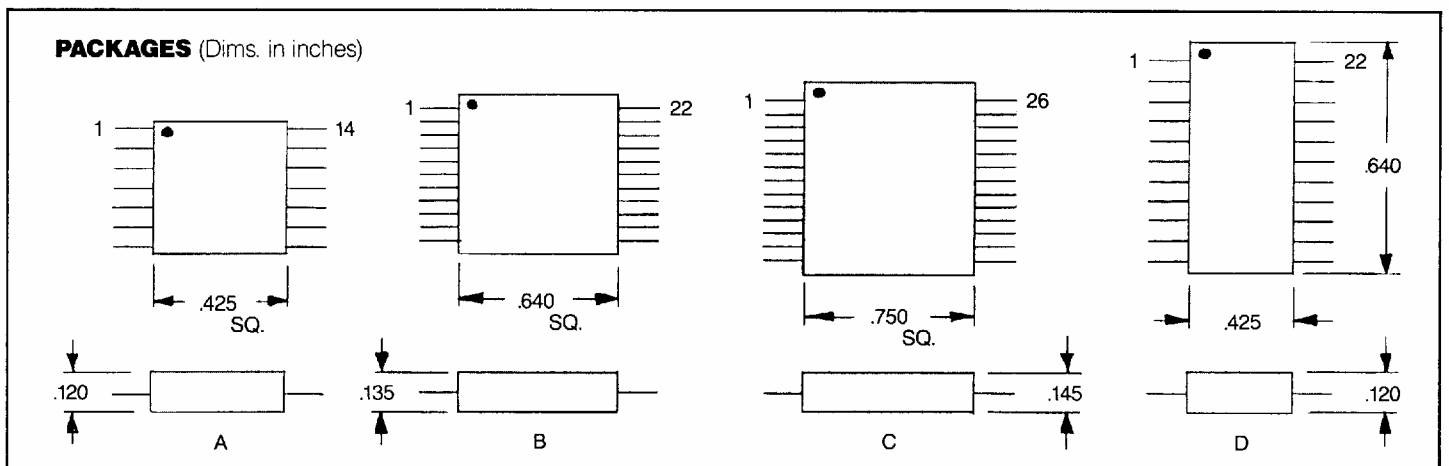
# MICROWAVE PIN DIODE DRIVERS

## 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)		POS	NEG	TON	TOFF		+5 V		VEE		
		POSITIVE		NEGATIVE		POS	NEG						MIN	MAX	MIN	MAX	
		MIN	MAX	MIN	MAX	POS	NEG	POS	NEG	MIN	MAX	MIN	MAX				
PD111 <sup>1</sup>	1	12	18	12	18	300	300	2.5	5.5	15	18	5	4.5	5.5	4.5	16	A
PD211 <sup>2</sup>	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 <sup>3</sup>	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 <sup>4</sup>	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 <sup>4</sup>	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 ± 20%
    - PD211-10: negative output voltage -10V ± 20%
    - PD211-30: negative output voltage -10V ± 20% and negative output current -30mA ± 20%
 Any combination of the above is available.
  3. Different output current are available for PD311:
    - PD311B: ± 40mA (MIN), ± 60mA (MAX)
    - PD311C: ± 10mA (MIN), ± 15mA (MAX)
    - PD311D: ± 24mA (MIN), ± 12mA (MAX)
    - PD311E: ± 8mA (MIN), ± 12mA (MAX)
  4. PD630 and PD1050 are with decoder input.



• 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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