

## ELECTRICAL SPECIFICATIONS

Table 1 - Standard models available

Model Number	Frequency Range (GHz)* <sup>1</sup>	Insertion Loss (dB) (Max)	Isolation (dB)	Rise Time (ns)* <sup>2</sup>	Fall Time (ns)* <sup>2</sup>	Prop. Delay (ns)* <sup>2</sup>	Max RF Power (dBm) (CW / Peak)	DC Bias* <sup>3</sup>	Outline Drawing
PDT-42-022A0	18-26.5	1.8	22	20	300	10	+24 / +36	+/- 5V	Figure 2
PDT-28-033B0	26.5-40	1.0	30	10	10	10	+41 / +41	-30V* <sup>4</sup> / +5V	Figure 3
PDT-22-037B0	33-40	1.0	30	10	10	10	+41 / +41	-30V* <sup>4</sup> / +5V	TBA
PDT-22-038A0	33-43	2.0	22	20	300	10	+24 / +36	+/- 5V	Figure 2
PDT-22-041B0	33-50	1.4	30	10	10	10	+23 / +30	+/- 5V	TBA
PDT-22-043A0	40-45	2.0	22	20	300	10	+24 / +36	+/- 5V	Figure 2
PDT-22-045A0	43-47	2.0	22	20	300	10	+24 / +36	+/- 5V	Figure 2
PDT-22-048A0	45-50	2.0	22	20	300	10	+24 / +36	+/- 5V	Figure 2
PDT-19-044A0	40-47	2.5	22	20	300	10	+24 / +36	+/- 5V	Figure 2
PDT-19-050A0	47-53	2.5	22	20	300	10	+24 / +36	+/- 5V	Figure 2
PDT-19-057A0	53-60	2.5	22	20	300	10	+24 / +36	+/- 5V	Figure 2
PDT-15-055A0	50-60	2.5	22	20	300	10	+24 / +36	+/- 5V	Figure 2
PDT-15-065B0	55-75	2.5	30	10	10	10	TBD / TBD	+/- 5V	Figure 4
PDT-15-062A0	57-66	2.5	22	20	300	10	+24 / +36	+/- 5V	Figure 2
PDT-15-071A0	66-75	2.5	22	20	300	10	+24 / +36	+/- 5V	Figure 2
PDT-12-075B0	60-89	2.5	30	10	10	10	TBD / TBD	+/- 5V	Figure 4
PDT-12-063A0	60-66	3.0	19	20	300	10	+24 / +36	+/- 5V	Figure 2
PDT-12-068A0	65-71	3.0	19	20	300	10	+24 / +36	+/- 5V	Figure 2
PDT-12-074A0	71-76	3.0	19	20	300	10	+24 / +36	+/- 5V	Figure 2
PDT-12-079A0	76-81	3.0	19	20	300	10	+24 / +36	+/- 5V	Figure 2
PDT-12-084A0	81-86	3.0	19	20	300	10	+24 / +36	+/- 5V	Figure 2
PDT-12-088A0	85-90	3.0	19	20	300	10	+24 / +36	+/- 5V	Figure 2
PDT-10-080A0	75-85	3.0	18	20	300	10	+24 / +36	+/- 5V	Figure 2
PDT-10-090B0	80-100	2.5	30	10	10	10	TBD / TBD	+/- 5V	TBA
PDT-10-089A0	85-92	3.0	18	20	300	10	+24 / +36	+/- 5V	Figure 2
PDT-10-094A0	92-96	3.0	18	20	300	10	+24 / +36	+/- 5V	Figure 2
PDT-10-098A0	96-100	3.0	18	20	300	10	+24 / +36	+/- 5V	Figure 2

\*1 - Narrow bandwidth units may be optimized for return loss and isolation, contact Millitech for customization details.

\*2 - See figure 1 explanation of switching speeds.

\*3 - Series PDT switches require both listed control voltages, as well as a TTL input to control the state.

\*4 - Negative voltage required to maintain stated isolation varies with incident RF power, consult Millitech for additional details.