

CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RF Power Detector



RF Power Detector
CPDETLS-4000
Frequency Range
10 MHz to 4000 MHz



Features:

- 10 MHz to 4 GHz Frequency Range
- Zero Bias Schottky
- Large Signal Power Detector, greater than -10 dBm
- +30 dBm Max Input Signal
- 100 pF Video Capacitance
- Operating Temperature: -20°C to 70°C
- Storage Temperature: -40°C to 85°C

Applications:

- Low Cost RF Power Monitoring
- General Lab Use

Product Control:

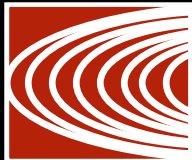
Crystek Part Number:	CPDETLS-4000	Release Date:	06-Sep-2018
Revision Level:	E	Responsible:	C. Vales

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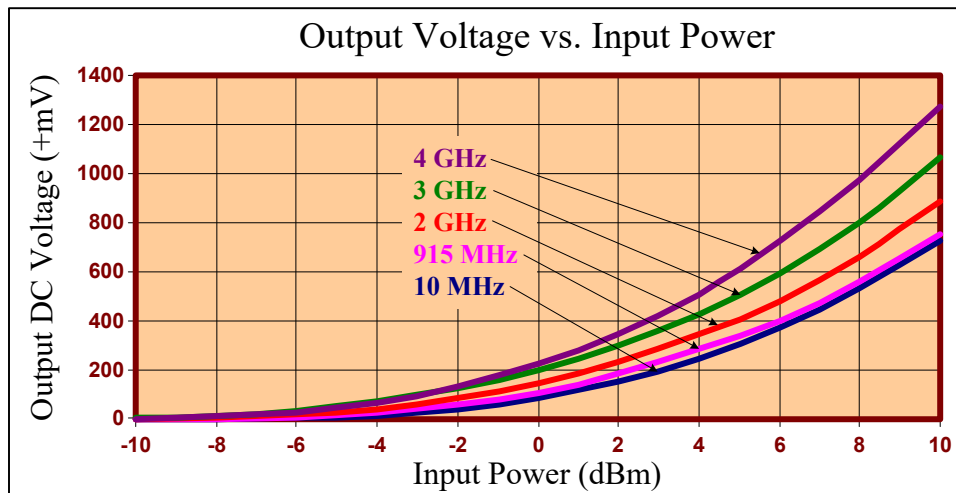
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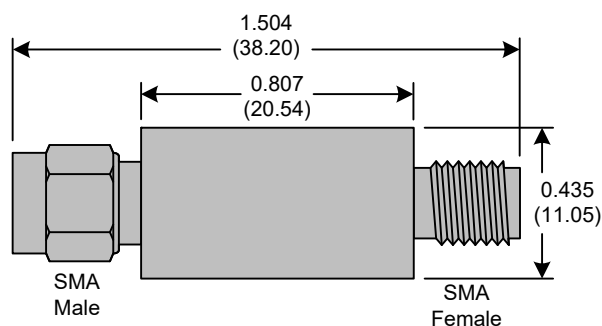


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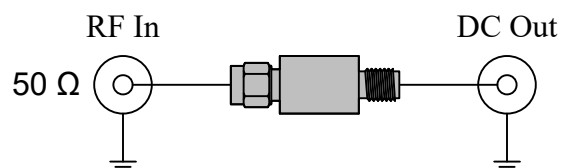
RF Power Detector CPDETLS-4000 Frequency Range 10 MHz to 4000 MHz



	10MHz	50MHz	100MHz	500MHz	800MHz	915MHz	1GHz	1.5GHz	2GHz	3GHz	4GHz
-10 (dBm)	0.491	0.614	0.676	0.731	0.750	0.813	0.838	1.129	1.809	4.037	3.279
-8 (dBm)	1.286	1.719	1.920	2.081	2.152	2.361	2.452	3.590	5.682	12.702	10.317
-6 (dBm)	4.182	5.717	6.409	6.930	7.216	7.890	8.260	12.577	17.811	34.399	29.919
-4 (dBm)	13.900	18.369	20.059	21.334	22.166	23.793	24.790	31.572	43.310	70.238	68.075
-2 (dBm)	39.495	48.826	52.035	54.096	55.573	58.100	60.027	73.044	88.722	126.286	130.315
0 (dBm)	85.210	98.951	103.585	106.336	108.477	108.876	113.438	125.140	148.010	200.485	227.010
2 (dBm)	153.115	172.880	179.140	181.735	184.455	184.135	190.275	208.390	235.005	299.975	347.645
4 (dBm)	248.540	272.525	280.245	282.570	285.670	284.105	292.115	320.035	349.170	427.445	503.595
6 (dBm)	370.385	410.635	407.155	415.370	422.995	400.055	411.665	432.520	477.430	594.675	725.540
8 (dBm)	531.085	577.910	572.210	581.485	590.555	559.355	572.760	609.630	659.485	802.725	975.390
10 (dBm)	725.090	784.340	774.235	786.770	798.890	754.320	768.480	835.225	887.470	1063.620	1275.450



Schematic



Product Control:

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Specification is subject to change without notice

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