

## Frequency Doublers D SERIES 1.5 to 26.0 GHz

### FEATURES

- > Multi-Octave Bandwidth
- > Output Frequency up to 26 GHz
- > Excellent 3rd Harmonic Suppression
- > Low Conversion Loss
- > Amplifier-Doubler and Doubler-Amplifier are Available

Maximum Input Power: 150mW CW  
 Operating Temperature Range: -50°C to +100°C  
 Storage Temperature Range: -65°C to +150°C  
 Specification @ +25°C

Model No.	Input Frequency GHz	Output Frequency GHz	Conversion Loss dB Typ./Max.	Fundamental Isolation dB Typ./Min.	Third Harmonic Suppression dBc Typ./Min.	Input Drive Level dBm
D1550L	1.5 - 5.0	3.0 - 10.0	11.0/12.5	30/23	30/23	+11 to +13
D1550M	1.5 - 5.0	3.0 - 10.0	11.0/12.5	30/23	30/23	+16 to +19
D2060L	2.0 - 6.0	4.0 - 12.0	11.0/12.0	30/25	30/23	+11 to +13
D2060M	2.0 - 6.0	4.0 - 12.0	11.0/12.0	30/25	30/23	+16 to +19
D2010L	2.0 - 10.0	4.0 - 20.0	10.0/12.0	30/25	30/20	+11 to +13
D2010M	2.0 - 10.0	4.0 - 20.0	10.0/12.0	30/25	30/20	+16 to +19
D4090L	4.0 - 9.0	8.0 - 18.0	10.5/12.0	30/23	30/22	+11 to +13
D4090M	4.0 - 9.0	8.0 - 18.0	10.5/12.0	30/23	30/22	+16 to +19
D9013L	9.0 - 13.0	18.0 - 26.0	11.5/13.0	30/25	35/25	+11 to +13
D9013M	9.0 - 13.0	18.0 - 26.0	11.5/13.0	30/25	35/25	+16 to +19

1. To indicate package style, add prefix to the end of the model number. (Example: Model No. D2060LB1 - Package "B1").
2. Connectors and Spacers are standard to the parts and spacers are optional.
3. Custom operating frequency bands & power levels are available upon request.
4. Model No. D2010 is only available in package style "Z".