

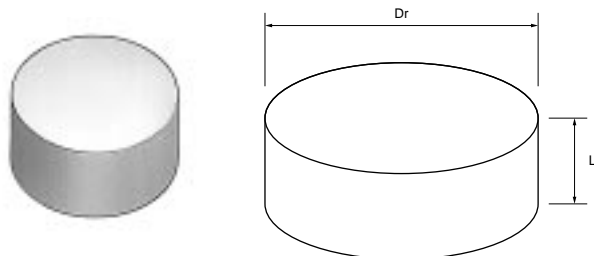
Dielectric Resonators (RESOMICS®)



Dielectric Resonator B Series (DRD Type)

■ Features

1. High Q of 18,000 at 10GHz
2. High dielectric constant : $\epsilon_r=27.9$
3. Resonant frequency temperature coefficient can be chosen from 0 to 6ppm/(degree C). Tolerance of frequency temperature coefficient can be chosen from ± 0.5 , ± 1 and ± 2 ppm/(degree C).
4. Dielectric resonator are chosen from the frequency range of 5 to 26GHz in disk type (DRD).



Part Number	Outer Dia. (mm)	Thickness (mm)	Frequency Range
DRD0260115B□□□00T	2.59 ±0.05 mm	1.15 ±0.05 mm	23.67~25.94 GHz
DRD0280125B□□□00T	2.82 ±0.05 mm	1.25 ±0.05 mm	21.75~23.67 GHz
DRD0310136B□□□00T	3.06 ±0.05 mm	1.36 ±0.05 mm	20.03~21.75 GHz
DRD0330148B□□□00T	3.33 ±0.05 mm	1.48 ±0.05 mm	18.40~20.03 GHz
DRD0360161B□□□00T	3.62 ±0.05 mm	1.61 ±0.05 mm	16.92~18.40 GHz
DRD0390176B□□□00T	3.94 ±0.05 mm	1.76 ±0.05 mm	15.53~16.92 GHz
DRD0430191B□□□00T	4.28 ±0.05 mm	1.91 ±0.05 mm	14.30~15.53 GHz
DRD0460206B□□□00T	4.65 ±0.05 mm	2.06 ±0.05 mm	13.19~14.30 GHz
DRD0510224B□□□00T	5.06 ±0.05 mm	2.24 ±0.05 mm	12.13~13.19 GHz
DRD0550244B□□□00T	5.50 ±0.05 mm	2.44 ±0.05 mm	11.15~12.13 GHz
DRD0600265B□□□00T	5.98 ±0.05 mm	2.65 ±0.05 mm	10.26~11.15 GHz
DRD0650288B□□□00T	6.50 ±0.05 mm	2.88 ±0.05 mm	9.44~10.26 GHz
DRD0710314B□□□00T	7.07 ±0.05 mm	3.14 ±0.05 mm	8.67~9.44 GHz
DRD0770341B□□□00T	7.69 ±0.05 mm	3.41 ±0.05 mm	7.97~8.67 GHz
DRD0840371B□□□00T	8.36 ±0.05 mm	3.71 ±0.05 mm	7.33~7.97 GHz
DRD0910403B□□□00T	9.09 ±0.05 mm	4.03 ±0.05 mm	6.75~7.33 GHz
DRD0990438B□□□00T	9.88 ±0.05 mm	4.38 ±0.05 mm	6.21~6.75 GHz
DRD1070477B□□□00T	10.75 ±0.05 mm	4.77 ±0.05 mm	5.70~6.21 GHz
DRD1170518B□□□00T	11.68 ±0.05 mm	5.18 ±0.05 mm	5.25~5.70 GHz
DRD1270563B□□□00T	12.70 ±0.05 mm	5.63 ±0.05 mm	4.83~5.25 GHz

Codes for temperature coefficient of resonant frequency and the tolerance should be put into the boxes, three blank columns of the above Part Numbers.

Please see the "Part Numbering". (ex.) 2.0+/-1.0ppm/°C : 20A

■ Freq. Temp. Coefficient, Dielectric Constant and Q

• B series

Characteristic Code	Frequency Temperature Coefficient (τf) (ppm/°C)	Dielectric Constant (εr)	Q (at 10GHz)
00	0	27.9±0.5	15,000 min.
20	2		
40	4		
60	6		