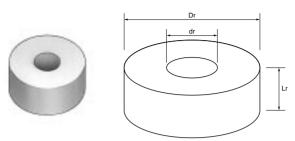
Dielectric Resonators (RESOMICS[®])



Dielectric Resonator R Series (DRT Type)

Features

- 1. High Q of 15,000 at 10GHz
- 2. High dielectric constant : Er=30
- Resonant frequency temperature coefficient can be chosen from 0 to 6ppm/(degree C). Tolerance of the frequency temperature coefficient can be chosen from +-0.5, +-1 and +-2ppm/(degree C).
- 4. Resonant frequency can be chosen from 5.7 to 13.1GHz.



Part Number	Outer Dia. (mm)	Inner Dia. (mm)	Thickness (mm)	Frequency Range
DRT0510224R 000T	5.06 ±0.05 mm	2.0 ±0.1 mm	2.24 ±0.05 mm	11.9~13.1 GHz
DRT0550244R 000T	5.50 ±0.05 mm	2.0 ±0.1 mm	2.44 ±0.05 mm	11.0~11.9 GHz
DRT0600265R 000T	5.98 ±0.05 mm	2.0 ±0.1 mm	2.65 ±0.05 mm	10.0~11.0 GHz
DRT0650288R 000T	6.50 ±0.05 mm	2.0 ±0.1 mm	2.88 ±0.05 mm	9.1~10.0 GHz
DRT0710314R 000T	7.07 ±0.05 mm	2.0 ±0.1 mm	3.14 ±0.05 mm	8.4~9.1 GHz
DRT0770341R 000T	7.69 ±0.05 mm	2.0 ±0.1 mm	3.41 ±0.05 mm	7.7~8.4 GHz
DRT0840371R 000T	8.36 ±0.05 mm	3.0 ±0.1 mm	3.71 ±0.05 mm	7.1~7.7 GHz
DRT0910403R	9.09 ±0.05 mm	3.0 ±0.1 mm	4.03 ±0.05 mm	6.5~7.1 GHz
DRT0990438R 000T	9.88 ±0.05 mm	3.0 ±0.1 mm	4.38 ±0.05 mm	6.0~6.5 GHz
DRT1050460R	10.50 ±0.05 mm	3.0 ±0.1 mm	4.60 ±0.05 mm	5.7~6.0 GHz

Codes for temperature coefficient of resonant frequency and the tolerance should be put into the three blank boxes of the above Part Numbers. Please see "Part Numbering" (ex.) 2.0±1.0ppm/°C : 20A.

■ Freq. Temp. Coefficient, Dielectric Constant and Q

R series

Characteristic Code	Frequency Temperature Coefficient (τf) (ppm/°C)	Dielectric Constant (ɛr)	Q (at 10GHz)
00	0	29.7±0.8	
20	2	30.3±0.8	12.000 min.
40	4	30.9±0.8	12,000 mm.
60	6	31.5±0.8	



21