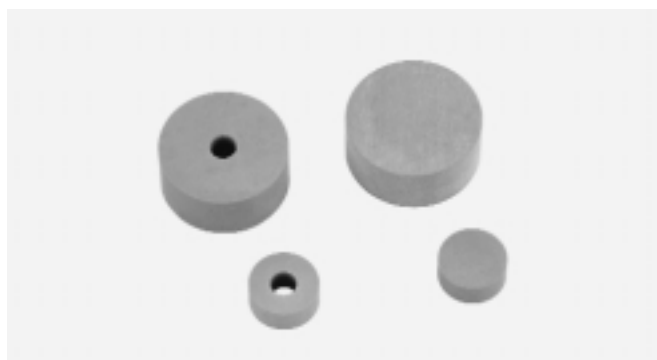
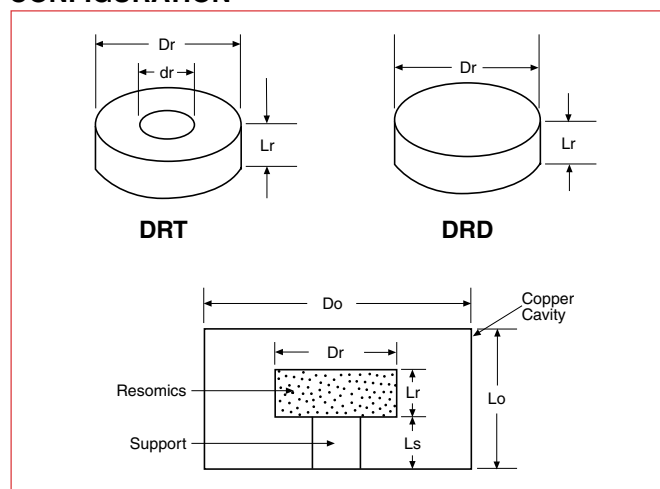




CONFIGURATION



GENERAL CHARACTERISTICS

- High unloaded Q – 7,000 min. at 10GHz
- High dielectric constant – $\epsilon_r \approx 34$
- Resonant frequency temperature coefficient can be chosen from 0 to 6ppm/°C. Tolerance of frequency temperature coefficient can be chosen from ± 0.5 , ± 1 , and ± 2 ppm/°C.

DIMENSIONS & FREQUENCY RANGE

DRD TYPE

Part Number	Dr ± 0.05 (mm)	Lr ± 0.05 (mm)	Frequency Range (GHz)
DRD046V□021	4.65	2.06	12.07 ~ 13.24
DRD051V□022	5.06	2.24	11.10 ~ 12.07
DRD055V□024	5.50	2.44	10.20 ~ 11.10
DRD060V□027	5.98	2.65	9.39 ~ 10.20
DRD065V□029	6.50	2.88	8.64 ~ 9.39
DRD071V□031	7.07	3.14	7.93 ~ 8.64
DRD077V□034	7.69	3.41	7.30 ~ 7.93
DRD084V□037	8.36	3.71	6.71 ~ 7.30
DRD091V□040	9.09	4.03	6.17 ~ 6.71
DRD099V□044	9.88	4.38	5.68 ~ 6.17
DRD107V□048	10.75	4.77	5.22 ~ 5.68
DRD117V□052	11.68	5.18	4.80 ~ 5.22
DRD127V□056	12.70	5.63	4.42 ~ 4.80
DRD138V□061	13.81	6.13	4.06 ~ 4.42
DRD150V□067	15.02	6.66	3.74 ~ 4.06
DRD163V□072	16.33	7.24	3.44 ~ 3.74
DRD178V□079	17.76	7.88	3.16 ~ 3.44
DRD193V□086	19.31	8.56	2.91 ~ 3.16

TABLE 1: Q & τ_f

Characteristic Code	Frequency Temperature Coefficient (τ_f)	Dielectric Constant (ϵ_r)	Unloaded Q (at 10GHz)
B	-2 (ppm/°C)	33.1 $\pm$ 0.5	10,000 min.
L	-1	33.3 $\pm$ 0.5	
C	0	33.5 $\pm$ 0.5	
M	1	33.7 $\pm$ 0.5	
D	2	33.9 $\pm$ 0.5	
N	3	34.1 $\pm$ 0.5	
E	4	34.3 $\pm$ 0.5	
O	5	34.5 $\pm$ 0.5	
F	6	34.7 $\pm$ 0.5	
P	7	34.9 $\pm$ 0.5	
G	8	35.1 $\pm$ 0.5	

Q can be approximated by: $Q \geq \frac{100,000}{f_0}$ f_0 : (GHz)

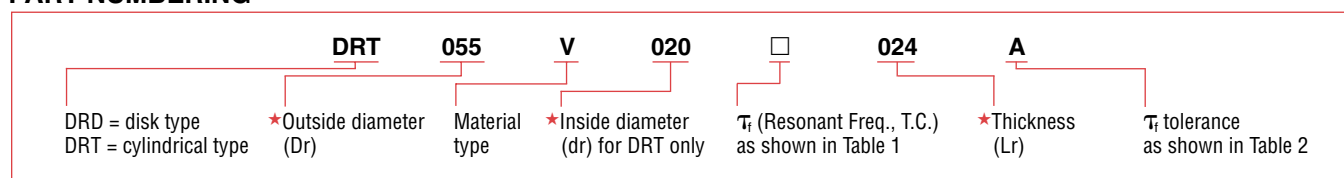
TABLE 2: τ_f TOLERANCE

Special Code	Tolerance of Frequency Temperature Coefficient (ppm/°C)
No Code	± 2
A	± 1
B	± 0.5

DRT TYPE

Part Number	Dr ± 0.05 (mm)	dr ± 0.1 (mm)	Lr ± 0.05 (mm)	Frequency Range (GHz)
DRT051V020□022	5.06	2.0	2.24	11.41 ~ 12.52
DRT055V020□024	5.50	2.0	2.44	10.42 ~ 11.42
DRT060V020□027	5.98	2.0	2.65	9.54 ~ 10.42
DRT065V020□029	6.50	2.0	2.88	8.74 ~ 9.54
DRT071V020□031	7.07	2.0	3.14	8.00 ~ 8.74
DRT077V020□034	7.69	2.0	3.41	7.34 ~ 8.00
DRT084V030□037	8.36	3.0	3.71	6.85 ~ 7.34
DRT091V030□040	9.09	3.0	4.03	6.27 ~ 6.85
DRT099V030□044	9.88	3.0	4.38	5.74 ~ 6.27
DRT107V040□048	10.75	4.0	4.77	5.34 ~ 5.74
DRT117V040□052	11.68	4.0	5.18	4.89 ~ 5.34
DRT127V040□056	12.70	4.0	5.63	4.48 ~ 4.89
DRT138V040□061	13.81	4.0	6.13	4.10 ~ 4.48
DRT150V040□067	15.02	4.0	6.66	3.76 ~ 4.10
DRT163V040□072	16.33	4.0	7.24	3.45 ~ 3.76
DRT178V040□079	17.76	4.0	7.88	3.17 ~ 3.45
DRT193V040□086	19.31	4.0	8.56	2.91 ~ 3.17

PART NUMBERING



*Note: For actual dimension in mm, divide number by 10.