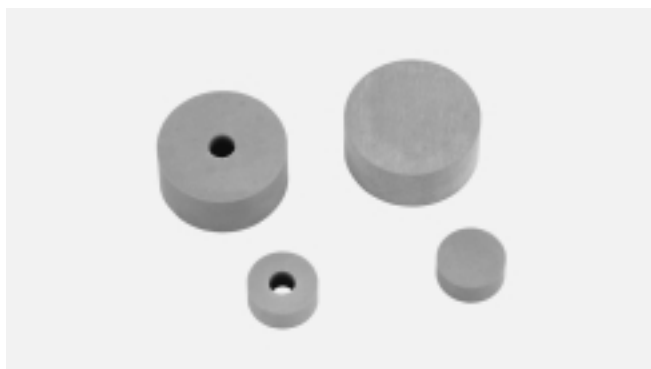




CONFIGURATION

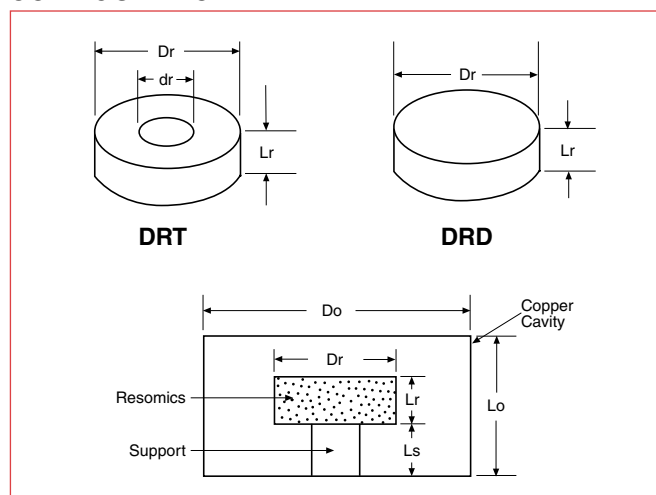


TABLE 1: Q & T_f

Characteristic Code	Frequency Temperature Coefficient (T_f) (ppm/°C)	Dielectric Constant (ϵ_r)	Unloaded Q (at 10GHz)
C	0	23.8 ± 0.5	35,000 min.
M	1	23.9 ± 0.5	
D	2	24.0 ± 0.5	
N	3	24.1 ± 0.5	
E	4	24.2 ± 0.5	

TABLE 2: T_f TOLERANCE

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

PART NUMBERING

DRT	055	F	020	□	024	A
DRD = disk type DRT = cylindrical type	*Outside diameter (Dr)	Material type	*Inside diameter (dr) for DRT only	T_f (Resonant Freq., T.C.) as shown in Table 1	*Thickness (Lr)	T_f tolerance as shown in Table 2

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

GENERAL CHARACTERISTICS

- High unloaded Q — 35,000 min. at 10GHz
- High dielectric constant — $\epsilon_r \approx 24$
- Resonant frequency temperature coefficient can be chosen from 0 to 4ppm/°C. Tolerance of frequency temperature coefficient can be chosen from ± 1 , ± 2 ppm/°C.
- Dielectric resonators which operate in the range of 10–25GHz can be selected in DRD (disk) or DRT (coaxial) form.
- F-series is also fit for application above 25GHz. Please consult us.

DIMENSIONS & FREQUENCY RANGE

DRD TYPE

Part Number	Dr ± 0.05 (mm)	Lr ± 0.05 (mm)	Frequency Range (GHz)
DRD028F□013	2.82	1.25	23.17 ~ 25.15
DRD031F□014	3.06	1.36	21.27 ~ 23.17
DRD033F□015	3.33	1.48	19.48 ~ 21.27
DRD036F□016	3.62	1.61	17.93 ~ 19.48
DRD039F□018	3.94	1.76	16.47 ~ 17.93
DRD043F□019	4.28	1.91	15.16 ~ 16.47
DRD046F□021	4.65	2.06	13.95 ~ 15.16
DRD051F□022	5.06	2.24	12.82 ~ 13.95
DRD055F□024	5.50	2.44	11.80 ~ 12.82
DRD060F□027	5.98	2.65	10.85 ~ 11.80
DRD065F□029	6.50	2.88	9.98 ~ 10.85

DRT TYPE

Part Number	Dr ± 0.05 (mm)	dr ± 0.1 (mm)	Lr ± 0.05 (mm)	Frequency Range (GHz)
DRT036F013□016	3.62	1.3	1.61	23.17 ~ 25.15
DRT039F013□018	3.94	1.3	1.76	16.47 ~ 17.93
DRT043F013□019	4.28	1.3	1.91	15.16 ~ 16.47
DRT046F020□021	4.65	2.0	2.06	13.95 ~ 15.16
DRT051F020□022	5.06	2.0	2.24	12.82 ~ 13.95
DRT055F020□024	5.50	2.0	2.44	11.80 ~ 12.82
DRT060F020□027	5.98	2.0	2.65	10.85 ~ 11.80
DRT065F020□029	6.50	2.0	2.88	9.98 ~ 10.85