

## Dielectric Resonators - TE Mode



### Features

High Q Value  
 Easy to control  $\tau$  f  
 Various dielectric constants

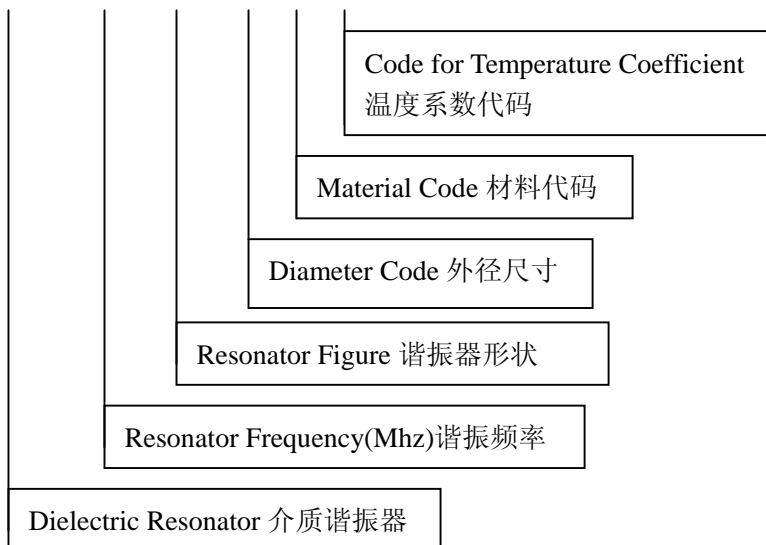
### Applications

Cellular Base Station Filter  
 Police Radar Detectors  
 LMDS/MMDS Wireless  
 Cable TV  
 Automobile Collision  
 Avoidance Sensors  
 LNB for Satellite antenna  
 Radar System

Num	Code 代码	Definition 定义	Num	Code 代码	Definition 定义
①	00	0±0.5	②	A	Material 1
	01	1±0.5		B	Material 2
	02	2±0.5		C	Material 3
	03	3±0.5		D	Material 4
	04	4±0.5		E	Material 5
	05	5±0.5		F	Material 6
	06	6±0.5		G	Material 7
	07	7±0.5		H	Material 8
	08	8±0.5		I	Material 9
	09	9±0.5		J	Material 10
	10	10±0.5	③	C	Annular 圆环
	11	11±0.5		D	Cylinder 圆盘
12	12±0.5	B		With Trestle 含支架	
			S	Spherieal 球形	

### Part Numbering

DR 10870 B 048 D 05



### Dimensions

Part No 型号	Outer Dia(mm)外径	Inner Dia(mm)内径	Frequency Range 频率范围
DR□□□□□C051D□□	5.1±0.1	1.9±0.1	10.15~12.7Ghz
DR□□□□□C057D□□	5.7±0.1	2.0±0.1	9.49~10.45Ghz
DR□□□□□C061D□□	6.1±0.1	2.12±0.1	8.91~9.69Ghz
DR□□□□□C087D□□	8.7±0.1	3.0±0.1	6.38~6.93Ghz
DR□□□□□C113D□□	11.3±0.1	4.2±0.1	5.15~6.38Ghz
DR□□□□□C157D□□	15.7±0.1	4.0±0.1	3.55~3.86Ghz
DR□□□□□C280D□□	28.0±0.1	10.1±0.1	2.0~2.67Ghz
DR□□□□□C051D□□	5.1±0.1	/	10.45~12.7Ghz
DR□□□□□C061D□□	6.1±0.1	/	8.91~9.69Ghz
DR□□□□□C057D□□	5.7±0.1	/	9.85~10.6Ghz
DR□□□□□C051D□□	5.1±0.1	1.9±0.1	10.0~1045Ghz
DR□□□□□C061D□□	6.1±0.1	2.1±0.1	8.9~9.69Ghz
DR□□□□□C057D□□	5.7±0.1	/	9.12~9.85Ghz
DR□□□□□C047D□□	4.7±0.1	/	12.7~13.5Ghz

Material 材料	Dielectric Constant 介电常数	Unloaded Q Q 值	Temperature Coefficient Range(ppm/°C) 温度系数范围	Density g/cm <sup>3</sup> 密度	Frequency Range 频率范围
A	5~15	5000 @ 10Ghz	-10~+10	3.70	2Ghz~15Ghz
B	20~24	12000 @4Ghz	-10~+10	3.80	2Ghz~15Ghz
C	30~34	6000 @ 4Ghz	-10~+10	4.32	2Ghz~15Ghz
D	36~40	10000 @ 4Ghz	-10~+10	5.05	2Ghz~15Ghz
E	45~50	7000 @Ghz	-10~+10	5.13	2Ghz~15Ghz
F	60~65	5000 @ 2Ghz	-10~+10	5.20	2Ghz~15Ghz
G	70~75	6000 @ 2Ghz	-10~+10	5.60	2Ghz~15Ghz
H	80~85	6000 @ 1Ghz	-10~+10	5.30	2Ghz~15Ghz
I	88~93	6000 @ 1Ghz	-10~+10	5.70	2Ghz~15Ghz

Part No 型号	Temperature Coefficient Range(ppm/°C) 温度系数范围	Unloaded Q Q 值	Frequency Microtrip 微带测试频率	Trestle Height(mm) 支柱高度	Trestle Mode 支柱形式
DR10870B048D05	3.20	3500	10870Mhz	1.5	Solid Pillars 实心
DR09385B057D05	2.56	3600	9385Mhz	1.4	Solid Pillars 实心
DF10300B051D01	0.87	3594	10300Mhz	1.3	Solid Pillars 实心
DR09070B057D05	3.10	3750	9070Mhz	1.1	Solid Pillars 实心
DR10060B051D05	2.90	3591	10060Mhz	1.1	Solid Pillars 实心
DR09460B057D05	2.56	3600	9460Mhz	1.5	Fluted Pillars 凹槽
DR10330B051D05	3.01	3594	10330Mhz	1.5	Fluted Pillars 凹槽
DR11200C051D01	0.80	3450	11200Mhz	/	/

Custom requests are available, please send your requests to: [info@accutemicro.com](mailto:info@accutemicro.com), we will reply promptly and help you with any questions you might have. (All info is subjected to be changed without notice, for further information, please contact our sales engineers.)