

复合介质基片

Composite Dielectric Substrate

1、微波陶瓷材料一览表 Microwave Material Performance Table

材料编码 Material Code	介电常数 Dielectric Constant ϵ_r	品质因数 Quality Factor f^*Q (GHz)	频率温度系数 Temperature Frequency Coefficient T_f (ppm/°C)	比重 Gravity (g/cm ³)
MST-12	12.0 ± 0.3	≥ 150,000	-50 ± 5	3.6
MTC-13	12.8 ± 0.2	≥ 60,000	0 ± 5	-
MST-16	16.0 ± 0.3	≥ 60,000	0 ± 4	3.9
BCT-21	21.0 ± 0.3	≥ 60,000	0 ± 3	3.8
BMT-24	24.0 ± 0.3	≥ 200,000	0 ± 2	7.5
MLT-26	26.0 ± 0.3	≥ 60,000	0 ± 3	4.0
BZN-32	32.0 ± 0.3	≥ 70,000	2 ± 3	5.8
BZT-35	35.0 ± 0.5	≥ 50,000	1 ± 3	4.6
ZST-38	39.0 ± 0.5	≥ 55,000	0 ± 2	5.0
ZNT-45	45.0 ± 0.5	≥ 40,000	0 ± 2	4.8



2、常用微波铁氧体材料一览表 Common Microwave Ferrite Table

材料编码 Material Code	饱和磁强 4π Ms (±5%) Gauss	最大线宽 @9.4GHz ΔH@-3dB Oersted	介电常数 Dielectric Constant ϵ_r	介质损耗 (@9.4GHz) 10^{-4}	居里温度 Curie T. °C
YG-1780	1,780	30	15.0	< 2.0	280
YG-1800	1,800	15	15.4	< 1.5	280
NG-1850	1,850	12	14.8	< 2.0	214
NG-1950	1,950	12	15.2	< 2.0	250
NF-2100	2,100	220	12.0	< 15.0	530
NF-2300	2,300	220	12.5	< 15.0	530
NF-2500	2,500	220	13.0	< 15.0	530
NF-3000	3,000	130	13.0	< 15.0	510

