

Dielectric Ceramic Grade	Material System	Dielectric Constant ϵ_r	Quality Factor Qf_0 (GHz)	Temperature Coefficient τf (ppm/°C)	Ceramic Density (g/cm ³)	Sintering Temperature (°C/4Hr)
RFC-E6BW	Mg-Si	6.7	15000	±35	3.1	1350
RFC-E6EU	Mg-Si	6	40000	±10	3.1	1300
RFC-E8BV	Mg-Si-Zr	8.5	15000	±20	3.5	1350
RFC-E9DV	Mg-Si-Ti	9.5	40000	±30	3.3	1250
RFC-E9GU	Mg-Si-Ti-Sr	10	65000	±5	3.3	1350
RFC-E12IU	Mg-Ca-Ti-Si	12	40000	±15	3.4	1350
RFC-E13EU	Mg-Si-Ti-Sr	13	47000	±10	3.5	1350
RFC-E16EU	Mg-Ca-Ti	16	80000	±30	3.5	1350
RFC-E19HU	Mg-Ca-Ti	19.6	72000	±5	3.8	1350
RFC-E21EV	Mg-Ca-Ti	21	50000	±30	3.8	1350
RFC-E20FV	Mg-Ca-Ti	20	65000	±30	3.8	1350
RFC-E20HQ	Sm-Ca-Al	20.3	85000	±2	5.6	1450
RFC-E21GU	Mg-Ca-Ti	20.7	65000	±5	3.8	1350
RFC-E21IU	Mg-Ca-Ti	20.8	80000	±6	3.9	1350
RFC-E22GU	Mg-Ca-Ti	22	65000	±7	3.9	1350
RFC-E30CW	Mg-Ca-Ti	30	29000	±80	3.9	1350
RFC-E31DW	Mg-Ca-Ti	30.8	30100	±80	4	1350
RFC-E30KU	Ba-Zn-Ta	30	10500	±10	7.6	1600
RFC-E34DT	Ba-Ti-Cu-Zn	34.1	45000	±5	4.6	1200
RFC-E34GU	Ba-Co-Zn-Nb	34.5	75000	±10	6.3	1450
RFC-E36EV	Ba-Ti-W	36	45000	±20	4.6	1350
RFC-E36ET	Ba-Ti-Cu-Zn	36.5	49000	±5	4.6	1200
RFC-E37ET	Ba-Ti-Cu-Zn	37	46000	±5	4.6	1200
RFC-E38EU	Ba-Ti-Cu-Zn	38	44000	±10	4.6	1200
RFC-E38EIW	Zr-Ti-Sn	38.2	51000	±10	5.2	1350
RFC-E38.5EU	Ba-Ti-Sn	38.5	40000	±10	4.6	1350
RFC-E38EU	Ba-Ti-Cu-Zn	39	40000	±10	4.6	1200
RFC-E40HQ	Sr-Ti-La-Al	40	70000	±2	5.6	1600
RFC-E45EQ	Ca-Ti-Sm-Al	43.5	45000	±2	4.8	1450
RFC-E45BV	Ba-Ti-Cu-Zn	44	15000	±20	4.5	1200
RFC-E50BU	Ba-Sm-Ti	50	17000	±10	4.9	1350
RFC-E65BR	Ba-Sm-Ti	64	11000	±3	5.3	1350
RFC-E80AU	Ba-Sm-Bi-Ti	80	9500	±10	5.8	1350
RFC-E93AV	Ba-Sm-Bi-Ti	93	5500	±15	5.8	1350
RFC-E92AU	Ba-Sm-Bi-Ti	92	7500	±10	5.8	1350
RFC-E105AW	Ba-Sm-Bi-Ti	105	2500	±30	5.8	1350
RFC-E110AW	Ba-Sm-Bi-Ti	110	2500	±30	5.8	1350
RFC-E115AW	Ba-Sm-Bi-Ti	115	2500	±30	5.8	1350
RFC-E120AW	Ca-Li-Nd-Ti	123	3000	±50	4.8	1200
RFC-E140AW	Ca-Li-Sm-Ti	140	1800	±30	5	1200