Dielectric Resonator (CO-AXIAL)

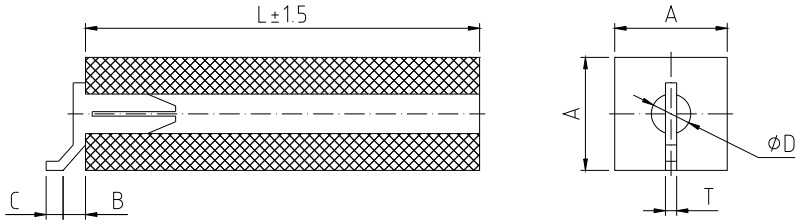
DR Series

The DR series dielectric resonators (CO-AXIAL) have high dielectric constant, which designed for telecommunication equipment, featuring small size, high frequency, and high reliability, and suitable to Surface Mount technologies.

ELECTRICAL CHARACTERISTICS							
Material Series	**Dielectric Constant**	**Frequency Stability of Temperature**	**Wave Length**	**Model**	**Frequency Range (MHz)**	**Qu (min)**	**Frequency Tolerance**
DR-90	90 ± 2	0 ± 10	λ/2 or λ/4	S10	300 ~ 700	600	K/J
				S06	400 ~ 490	330	
					500 ~ 790	350	
					800 ~ 1290	400	
					1300 ~ 1690	470	
					1700 ~ 2200	510	
				S05	500 ~ 590	270	
					600 ~ 1490	350	
					1500 ~ 2500	400	
				S04	500~540	200	
					550~640	220	
					650~790	240	
					800~890	260	
					900~1490	270	
					1500~1790	290	
					1800~1890	340	
					1900~3000	370	
				S03	900~1490	230	
					1500~1690	250	
					1700~1990	270	
					2000~3000	290	
				S4x6	400~900	200	
				S2x3	900~1590	170	
					1600~2590	200	
					2600~3000	260	
DR-37	37 ± 2	0 ± 10	λ/2 or λ/4	S10	400~1200	650	K/J
				S06	700~1540	450	
					1550~1800	550	
				S04	1000~1900	360	
					2000~3000	400	
DR-21	21 ± 2	0 ± 10	λ/2 or λ/4	S06	1000~1190	500	K/J
					1200~1790	600	
					1800~2490	650	
					2500~3000	850	
				S04	1300~1490	350	
					1500~1990	400	
					2000~3000	450	
				S03	1900~2490	380	
					2500~3000	400	

Note: Qu is the lowest value of frequency.

PACKAGE OUTLINE DIMENSIONS



Code\Model	S10	S06	S05	S04	S03
A	10	6	5	4	3
T	1.0	1.0	0.7	0.5	0.5
B	2.0	2.0	1.5	1.0	1.0
C	1.5	1.2	1.0	0.8	0.8
D	3.05	2.45	1.57	1.35	1.0
L		Varies with frequency			

Tolerance: ± 0.3mm
Unit: mm

PART NUMBER BUILDER

