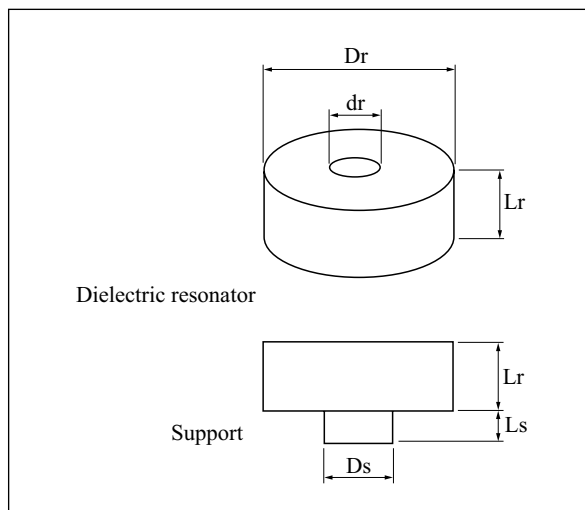


FEATURES

- High Q of 7,500min. At 4GHz
- High dielectric constant $\epsilon_r \approx 46$.
- The resonant frequency temperature coefficient can be chosen from 0 to 6 ppm/°C.
- These resonators are suitable for C band oscillator.

Frequency Temperature Coefficient (τ_f)	Dielectric Constant (ϵ_r)	$Q \times f_0$ (at 4GHz)
0 (ppm/°C)	46 ± 0.5	> 30,000
3 (ppm/°C)		
6 (ppm/°C)		

DIMENSION



SPECIFICATION

Part Number	Dielectric Resonator		Support		Resonant Frequency Range (GHz)
	$D_r \pm 0.05$ (mm)	$L_r \pm 0.05$ (mm)	$D_s \pm 0.05$ (mm)	$L_s \pm 0.05$ (mm)	
KHR0515A01	10.80	4.10	7.40	2.00	5.00 to 5.50
KHR0575A01	10.80	2.80	7.40	2.60	5.50 to 6.00

- The cylinder type resonator with a hole improves spurious response without degrading Q.
- The support, which has a low dielectric constant and high Q, minimizes induced losses to the resonator.