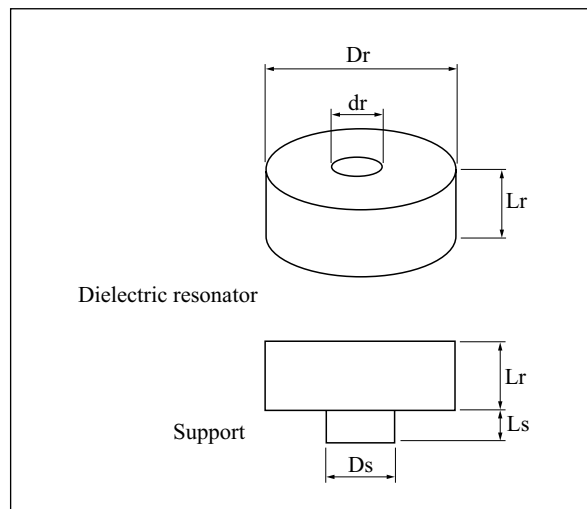


FEATURES

- 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) 3 (ppm/ °C) 6 (ppm/ °C)	46 ± 0.5	$> 30,000$

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)	
KHR0975A01	5.60	2.00	3.80	1.40	9.35 to 9.85
KHR1060A01	4.70	2.20	3.20	1.00	10.20 to 10.80
KHR1075A01	4.70	2.00	3.20	1.00	10.50 to 11.00
KHR1130A01	4.70	1.70	3.20	1.00	11.00 to 11.50

- 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.