

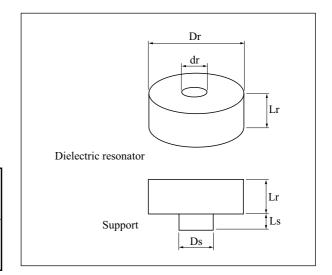
## KHR0515A01/ KHR0575A01 DIELECTRIC RESONATOR

## **FEATURES**

- · High Q of 7,500min. At 40也
- · High dielectric constant  $\varepsilon_{\Gamma} = 46$ .
- $\cdot$  The resonant frequency temperature coefficient can be chosen from 0 to 6 ppm/  $^{\circ}\!\mathbb{C}$  .
- · These resonators are suitable for C band oscillator.

Frequency Temperature Coefficient $(\tau_f)$	Dielectric Constant $(\varepsilon_{\mathbf{r}})$	$\begin{array}{c} \rm Q \times f_0 \\ (at  4\rm GHz) \end{array}$
0 (ppm/°C) 6 (ppm/°C)	$46\pm\!0.5$	> 30,000

## **DIMENSION**



## **SPECIFICATION**

Part Number	Dielectric Resonator		Support		Resonant Frequency Range
	Dr ±0.05 (mm)	Lr ±0.05 (mm)	Ds ±0.05 (mm)	Ls ±0.05 (mm)	(GHz)
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

- $\cdot$  The cylinder type reesonator 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.