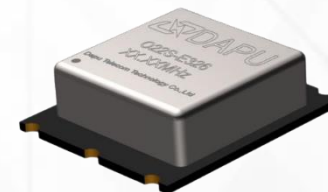


Application

- Telecommunications
- Bases station
- Power grid Network
- Optical network
- Instruments

Key features

- High temp stability : $\pm 0.01\text{ppb} \sim \pm 10\text{ppb}$
- Ultra wide operating temperature range : $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}/95^{\circ}\text{C}/105^{\circ}\text{C}$
- Ultra low Phase noise: $-165\text{dBc}/\text{Hz}@1\text{KHz}$
- Ultra low power consumption : 0.8W
- Small size to 7x9, 7x5 and 3225 in future



◆ Ultra high stability up to atomic clock level

Product series	Frequency Range (MHz)	Temp Stability (ppb)	Aging	Phase Noise (dBc/Hz@1K)	Operating temp (°C)	Size (mm)	Recommend Freq (MHz)
O55A	5.00/10.00	±0.01	±0.05 ppb/Day ±5 ppb/year	-155	-55 ~ 85	DIP 50.8*50.8*15	5.00 10.00 ...
O23B	5.00/10.00	±0.03	±0.1 ppb/Day ±20 ppb/Year	-155	-55 ~ 85	DIP 36.0*27.0*12.7	

◆ Ultra low phase noise | ultra high temperature | 2 / 3E clock

Product series	Frequency Range (MHz)	Temp Stability (ppm)	Aging	Phase Noise (dBc/Hz@1K)	Operating temp (°C)	Size (mm)	Recommend Freq (MHz)
O22B	80.00~400.00	±0.1	±0.3 ppb/Day ±30 ppb/Year	-165	-55 ~ 105	DIP 25.0*25.0*12.7	10.00 12.80 100.00 ...
O22S	5.00 ~ 100.00	±0.2	±0.3 ppb/Day ±30 ppb/Year	-155	-55 ~ 105	DIP 25.0*22.0*12.0	

◆ Small package | wide temperature | high vibration resistance | low power consumption | 3E clock

Product series	Frequency Range (MHz)	Temp Stability (ppb)	Aging	Phase Noise (dBc/Hz@1K)	G-Sensitivity	Operating temp (°C)	Size (mm)	Recommend Freq(MHz)
O11H	10 ~ 100.00	±0.5/±1/±3/±5/±10	±1 ppb/Day ±100ppb/Year	-160	0.5ppb/G	-55 ~ 105	SMD 14.4*9.5*8.0	10.00 12.80 19.20 20.00 25.00 38.88 ...
O97	10 ~ 100.00	±0.5/±3/±5/±10/±20	±3 ppb/Day ±0.3ppm/Year	-160	0.2ppb/G	-55 ~ 105	SMD 9.7*7.5*3.9	
O75	10 ~ 100.00	±10/±20	±3 ppb/Day ±0.3ppm/Year	-160	0.5ppb/G	-55 ~ 105	SMD 7.5*5.5*3.3	