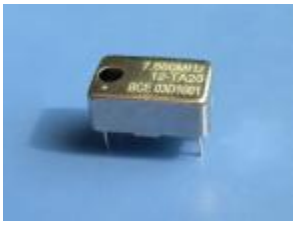

VTA04,TA04

◆Excellent frequency stability across a wide temperature range..
◆Good Reliability, Low cost.
◆Low frequency range.
◆High quality TCXO for communication equipment.

Table1 Specifications

Parameter		VTA04/TA04
Frequency Range		500KHz~8MHz
Initial Calibration Tolerance (@25℃±2℃)		Models with internal trimmer :Adjust to the nominal frequency Models without internal trimmer :±1ppm typical
Frequency Stability	vs Operation Temp. Range	See Table 2
	vs Vcc Change ±5%	±0.3ppm
	vs Load Change ±10%	±0.3ppm
	vs Aging	±1ppm
Operation Temperature Range		See Table 2
Supply Voltage		3.3V, 5.0V
Current Consumption		20mA max
Output		TTL/CMOS,Code is “T”
Start-up Time		2ms max
SSB Phase Noise		-135dBc@1kHz, 10MHz, typical
Frequency Tuning Range (@25℃±2℃)		±3ppm typical, by internal trimmer
VCTCXO only	Frequency Tuning Range	±5~±20ppm, ±10ppm typical
	Control Voltage Range	1.65V±1.5V@3.3Vcc, 2.5V±2V@5.0Vcc
	Slope Polarity	Positive
	Linearity	10%max
Package		A11,A12,A13,A14,A15,A16
Storage Temperature Range		-55~+85℃

Table2 Frequency Stability vs Operation Temperature Range(Ref to 25℃) and Option Code

	±1.0ppm	±1.5ppm	±2.0ppm	±2.5ppm	±3.0ppm	±5.0ppm
0~50℃	A10	A15	A20	A25	A30	A50
-10~60℃	B10	B15	B20	B25	B30	B50
-20~70℃	C10	C15	C20	C25	C30	C50
-30~75℃		D15	D20	D25	D30	D50
-40~85℃					E30	E50

TCXOs

Part Numbering Key

SERIES	Supply Voltage	OUTPUT FORM	FREQ. STABILITY vs.TEMP	PACKAGE CODE	FREQUENCY
TA04 VTA04	3.3=3.3V 5=5.0V	T=TTL/CMOS	See Table2	A11,A12, A13,A14 A15,A16	
VTA04	**5**	**T**	**D20**	**A11**	**20.000MHz**

Sample Part Numbers

VTA04-5TD20-A11 @20.000Mhz