




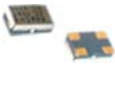




BROOKDALE FREQUENCY CONTROLS, INC. THRU HOLE PACKAGE VCTCXO's

MODEL	STABILITY	PULL RANGE (MIN)	CONTROL VOLTAGE(Vcon)		OPERATING TEMPERATURE	PACKAGE	FREQUENCY RANGE/ OUTPUT LOGIC	CRYSTAL DESIGN	PAGE	
			Vcon RANGE							
	BVT1601T	±1.0PPM	±50PPM	2.5VDC	1.65VDC	DIL-14 (6.8mm Height)	1.0 To 200MHz HCMOS/TTL	UM-1	VT3-VT4	
	BVT1615T	±1.5PPM	±30PPM	0.5 -4.5V 0 -5.0V 0.5-4.75V 0.5 -5.0V	0.3-3.0V 0.5 -2.5V 0 -3.3V					0°C to 70°C
	BVT1602T	±2.0PPM	±25PPM							0°C to 60°C
	BVT1625T	±2.5PPM	±20PPM							-10°C to 60°C
	BVT1603T	±3.0PPM	±15PPM							-10°C to 70°C
	BVT1604T	±4.0PPM	±10PPM							-20°C to 70°C
	BVT1605T	±5.0PPM	±5PPM							-30°C to 75°C
	BVT1601S	±1.0PPM	±50PPM	2.5VDC	1.65VDC	DIL-14 (6.8mm Height)	8 to 35MHz SINEWAVE	UM-1	VT5-VT6	
	BVT1615S	±1.5PPM	±30PPM	0.5 -4.5V 0 -5.0V 0.5-4.75V 0.5 -5.0V	0.3-3.0V 0.5 -2.5V 0 -3.3V					0°C to 70°C
	BVT1602S	±2.0PPM	±25PPM							0°C to 60°C
	BVT1625S	±2.5PPM	±20PPM							-10°C to 60°C
	BVT1603S	±3.0PPM	±15PPM							-10°C to 70°C
	BVT1604S	±4.0PPM	±10PPM							-20°C to 70°C
	BVT1605S	±5.0PPM	±5PPM							-30°C to 75°C
	BVT1601CS	±1.0PPM	±50PPM	2.5VDC	1.65VDC	DIL-14 (6.8mm Height)	8 to 35MHz CLIPPED SINEWAVE	UM-1	VT7-VT8	
	BVT1615CS	±1.5PPM	±30PPM	0.5 -4.5V 0 -5.0V 0.5-4.75V 0.5 -5.0V	0.3-3.0V 0.5 -2.5V 0 -3.3V					0°C to 70°C
	BVT1602CS	±2.0PPM	±25PPM							0°C to 60°C
	BVT1625CS	±2.5PPM	±20PPM							-10°C to 60°C
	BVT1603CS	±3.0PPM	±15PPM							-10°C to 70°C
	BVT1604CS	±4.0PPM	±10PPM							-20°C to 70°C
	BVT1605CS	±5.0PPM	±5PPM							-30°C to 75°C
	BVTA1601T	±1.0PPM	±50PPM	2.5VDC	1.65VDC	DIL-14 (6.8mm Height)	1.0 to 200MHz HCMOS/TTL HCMOS	UM-1 w/FREQ. ADJUSTMENT TRIMMER	VT9-VT10	
	BVTA1615T	±1.5PPM	±30PPM	0.5 -4.5V 0 -5.0V 0.5-4.75V 0.5 -5.0V	0.3-3.0V 0.5 -2.5V 0 -3.3V					0°C to 70°C
	BVTA1602T	±2.0PPM	±25PPM							0°C to 60°C
	BVTA1625T	±2.5PPM	±20PPM							-10°C to 60°C
	BVTA1603T	±3.0PPM	±15PPM							-10°C to 70°C
	BVTA1604T	±4.0PPM	±10PPM							-20°C to 70°C
	BVTA1605T	±5.0PPM	±5PPM							-30°C to 75°C
	BVTA1601S	±1.0PPM	±50PPM	2.5VDC	1.65VDC	DIL-14 (6.8mm Height)	8 to 35MHz SINEWAVE	UM-1 w/FREQ. ADJUSTMENT TRIMMER	VT11-VT12	
	BVTA1615S	±1.5PPM	±30PPM	0.5 -4.5V 0 -5.0V 0.5-4.75V 0.5 -5.0V	0.3-3.0V 0.5 -2.5V 0 -3.3V					0°C to 70°C
	BVTA1602S	±2.0PPM	±25PPM							0°C to 60°C
	BVTA1625S	±2.5PPM	±20PPM							-10°C to 60°C
	BVTA1603S	±3.0PPM	±15PPM							-10°C to 70°C
	BVTA1604S	±4.0PPM	±10PPM							-20°C to 70°C
	BVTA1605S	±5.0PPM	±5PPM							-30°C to 75°C
	BVTA1601CS	±1.0PPM	±50PPM	2.5VDC	1.65VDC	DIL-14 (6.8mm Height)	8 to 35MHz CLIPPED SINEWAVE	UM-1 w/FREQ. ADJUSTMENT TRIMMER	VT13-VT14	
	BVTA1615CS	±1.5PPM	±30PPM	0.5 -4.5V 0 -5.0V 0.5-4.75V 0.5 -5.0V	0.3-3.0V 0.5 -2.5V 0 -3.3V					0°C to 70°C
	BVTA1602CS	±2.0PPM	±25PPM							0°C to 60°C
	BVTA1625CS	±2.5PPM	±20PPM							-10°C to 60°C
	BVTA1603CS	±3.0PPM	±15PPM							-10°C to 70°C
	BVTA1604CS	±4.0PPM	±10PPM							-20°C to 70°C
	BVTA1605CS	±5.0PPM	±5PPM							-30°C to 75°C



BROOKDALE FREQUENCY CONTROLS, INC. SMD VCTCXO'S

MODEL	STABILITY	PULL RANGE (MIN)	CONTROL VOLTAGE(Vcon)		OPERATING TEMPERATURE	PACKAGE	FREQUENCY RANGE/ OUTPUT LOGIC	CRYSTAL DESIGN	PAGE
			Vcon RANGE						
 BVT1657T	±0.5PPM ±1.0PPM ±1.5PPM ±2.0PPM ±2.5PPM	±25PPM ±12PPM	2.5VDC 0.5~4.5V	1.5VDC 0.5~2.5V	0°C to 70°C -10°C to 70°C -20°C to 70°C -30°C to 75°C -40°C to 85°C	CERAMIC SMD 7x5x2.5mm	1.0 to 156MHz HCMOS/TTL	0.01uF DECOUPLING CAPACITOR	VT15-VT16
 BVT1657CS	±1.0PPM ±1.5PPM ±2.0PPM ±3.0PPM ±4.0PPM ±5.0PPM	±6.0PPM	2.5VDC 0.5~4.5V	1.5VDC 0.5~2.5V	0°C to 60°C 0°C to 70°C -10°C to 70°C -20°C to 70°C -30°C to 60°C -30°C to 75°C -30°C to 85°C -40°C to 85°C	CERAMIC SMD 7x5x2.5mm	9.6 to 40MHz CLIPPED SINEWAVE	NO MECHANICAL TRIMMER FOR AQUEOUS WASHING	VT17-VT18
 BVT1653T	±0.5PPM ±1.0PPM ±1.5PPM ±2.0PPM ±2.5PPM	±10PPM	2.5VDC 0.5~4.5V 0.5~4.5V	1.5VDC 0.5~2.5V 0.5~2.5V	0°C to 70°C -10°C to 70°C -20°C to 70°C -30°C to 75°C -40°C to 85°C	CERAMIC SMD 5x3x2.2mm	1.0 to 200MHz HCMOS/TTL	0.01uF DECOUPLING CAPACITOR	VT19-VT20
 BTC1653A	±1.5PPM ±2.0PPM ±2.5PPM ±5.0PPM	±10ppm ±12ppm	2.5VDC 0.5~4.5V	1.5VDC 0.5~2.5V	0°C to 70°C 0°C to 50°C -20°C to 70°C -30°C to 75°C -40°C to 85°C	CERAMIC Metal SMD 5x3x2.2mm	10.0 ~ 40.0MHz	NO MECHANICAL TRIMMER FOR AQUEOUS WASHING	VT19A-20A
 BFVTx01T BFVTx15T BFVTx02T BFVTx25T BFVTx03T BFVTx04T BFVTx05T	±1.0PPM ±1.5PPM ±2.0PPM ±2.5PPM ±3.0PPM ±4.0PPM ±5.0PPM	±50PPM ±30PPM ±25PPM ±20PPM ±15PPM ±10PPM ±5PPM	2.5VDC 0.5 -4.5V 0 -5.0V 0.5-4.75V 0.5 -5.0V	1.65VDC 0.3-3.0V 0.5 -2.5V 0 -3.3V	0°C to 70°C 0°C to 60°C -10°C to 60°C -10°C to 70°C -20°C to 70°C -30°C to 75°C -40°C to 85°C	FR-4 (4or6pads)	1.0 to 156MHz HCMOS/TTL	Manual Frequency Adjustment (±3ppm with Trimmer)	VT21-VT22
 BFVTx01CS BFVTx15CS BFVTx02CS BFVTx25CS BFVTx03CS BFVTx04CS BFVTx05CS	±1.0PPM ±1.5PPM ±2.0PPM ±2.5PPM ±3.0PPM ±4.0PPM ±5.0PPM	±50PPM ±30PPM ±25PPM ±20PPM ±15PPM ±10PPM ±5PPM	2.5VDC 0.5 -4.5V 0 -5.0V 0.5-4.75V 0.5 -5.0V	1.65VDC 0.3-3.0V 0.5 -2.5V 0 -3.3V	0°C to 70°C 0°C to 60°C -10°C to 60°C -10°C to 70°C -20°C to 70°C -30°C to 75°C -40°C to 85°C	FR-4 (4or6pads)	8.0 to 40MHz CLIPPED SINEWAVE	Manual Frequency Adjustment (±3ppm with Trimmer)	VT23-VT24