















TCXO QUICK REFERENCE GUIDE

BROOKDALE FREQUENCY CONTROLS, INC. THRU HOLE PACKAGE TCXO'S										
MODEL	STABILITY	PULL RANGE	CONTROL VOLTAGE(Vcon)		OPERATING TEMPERATURE	PACKAGE	FREQUENCY RANGE/ OUTPUT LOGIC	CRYSTAL DESIGN	PAGE	
			Vcon RANGE							
	BT1601T	±1.0PPM	±50PPM	2.5VDC	1.65VDC	0°C to 70°C	DIL-14 (6.8mm Height)	1.0 to 200.0MHz HCMOS/TTL HCMOS	UM-1 CRYSTAL DESIGN	T3-T4
	BT1615T	±1.5PPM	±30PPM	0.5 -4.5V 0 -5.0V	0.3-3.0V 0.5 -2.5V 0 -3.3V	0°C to 60°C				
	BT1602T	±2.0PPM	±25PPM			-10°C to 60°C				
	BT1625T	±2.5PPM	±20PPM			-10°C to 70°C				
	BT1603T	±3.0PPM	±15PPM			-20°C to 70°C				
	BT1604T	±4.0PPM	±10PPM			-30°C to 75°C				
	BT1605T	±5.0PPM	±5PPM			-40°C to 85°C				
	BT1601S	±1.0PPM	±50PPM	2.5VDC	1.65VDC	0°C to 70°C	DIL-14 (6.8mm Height)	8 to 35.0MHz SINEWAVE	UM-1 CRYSTAL DESIGN	T5-T6
	BT1615S	±1.5PPM	±30PPM	0°C to 60°C						
	BT1602S	±2.0PPM	±25PPM	-10°C to 60°C						
	BT1625S	±2.5PPM	±20PPM	-10°C to 70°C						
	BT1603S	±3.0PPM	±15PPM	-20°C to 70°C						
	BT1604S	±4.0PPM	±10PPM	-30°C to 75°C						
	BT1605S	±5.0PPM	±5PPM	-40°C to 85°C						
	BT1601CS	±1.0PPM	±50PPM	2.5VDC	1.65VDC	0°C to 70°C	DIL-14 (6.8mm Height)	8 to 35.0MHz CLIPPED SINEWAVE	UM-1 CRYSTAL DESIGN	T7-T8
	BT1615CS	±1.5PPM	±30PPM	0°C to 60°C						
	BT1602CS	±2.0PPM	±25PPM	-10°C to 60°C						
	BT1625CS	±2.5PPM	±20PPM	-10°C to 70°C						
	BT1603CS	±3.0PPM	±15PPM	-20°C to 70°C						
	BT1604CS	±4.0PPM	±10PPM	-30°C to 75°C						
	BT1605CS	±5.0PPM	±5PPM	-40°C to 85°C						
	BTA1601T	±1.0PPM	±50PPM	2.5VDC	1.65VDC	0°C to 70°C	DIL-14 (6.8mm Height)	1.0 to 200.0MHz HCMOS/TTL HCMOS	UM-1 CRYSTAL DESIGN w FREQUENCY ADJUSTMENT TRIMMER	T9-T10
	BTA1615T	±1.5PPM	±30PPM	0°C to 60°C						
	BTA1602T	±2.0PPM	±25PPM	-10°C to 60°C						
	BTA1625T	±2.5PPM	±20PPM	-10°C to 70°C						
	BTA1603T	±3.0PPM	±15PPM	-20°C to 70°C						
	BTA1604T	±4.0PPM	±10PPM	-30°C to 75°C						
	BTA1605T	±5.0PPM	±5PPM	-40°C to 85°C						
	BTA1601S	±1.0PPM	±50PPM	2.5VDC	1.65VDC	0°C to 70°C	DIL-14 (6.8mm Height)	8 to 35.0MHz SINEWAVE	UM-1 CRYSTAL DESIGN w FREQUENCY ADJUSTMENT TRIMMER	T10-T11
	BTA1615S	±1.5PPM	±30PPM	0°C to 60°C						
	BTA1602S	±2.0PPM	±25PPM	-10°C to 60°C						
	BTA1625S	±2.5PPM	±20PPM	-10°C to 70°C						
	BTA1603S	±3.0PPM	±15PPM	-20°C to 70°C						
	BTA1604S	±4.0PPM	±10PPM	-30°C to 75°C						
	BTA1605S	±5.0PPM	±5PPM	-40°C to 85°C						
	BTA1601CS	±1.0PPM	±50PPM	2.5VDC	1.65VDC	0°C to 70°C	DIL-14 (6.8mm Height)	8 to 35.0MHz CLIPPED SINEWAVE	UM-1 CRYSTAL DESIGN w FREQUENCY ADJUSTMENT TRIMMER	
	BTA1615CS	±1.5PPM	±30PPM	0°C to 60°C						
	BTA1602CS	±2.0PPM	±25PPM	-10°C to 60°C						
	BTA1625CS	±2.5PPM	±20PPM	-10°C to 70°C						
	BTA1603CS	±3.0PPM	±15PPM	-20°C to 70°C						
	BTA1604CS	±4.0PPM	±10PPM	-30°C to 75°C						
	BTA1605CS	±5.0PPM	±5PPM	-40°C to 85°C						

BROOKDALE FREQUENCY CONTROLS, INC. SMD TCXO'S

MODEL		STABILITY	SUPPLY VOLTAGE	OPERATING TEMPERATURE	PACKAGE	FREQUENCY RANGE OUTPUT LOGIC	CRYSTAL DESIGN	PAGE
	BT1657T	±0.5PPM ±1.0PPM ±1.5PPM ±2.0PPM ±2.5PPM	5.0VDC 3.3VDC 3.0VDC 2.8VDC	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 156.0MHz HCMOS/TTL	0.01uF DECOUPLING CAPACITOR	T16-T17
	BT1657CS	±1.0PPM ±1.5PPM ±2.0PPM ±3.0PPM ±4.0PPM ±5.0PPM	5.0VDC 3.0VDC 2.8VDC	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 40.0MHz CLIPPED SINEWAVE	NO MECHANICAL TRIMMER FOR AQUEOUS WASHING	T18-T19
	BT1653T	±0.5PPM ±1.0PPM ±1.5PPM ±2.0PPM ±2.5PPM	3.3VDC 3.0VDC 2.8VDC	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 200.0MHz HCMOS/TTL	0.01uF DECOUPLING CAPACITOR	T20-T21
	BT1653CS	±0.5PPM ±1.0PPM ±1.5PPM ±2.0PPM ±2.5PPM	3.3VDC 3.0VDC 2.8VDC	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	9.6MHz ~ 40.0MHz Clipped Sinewave	0.01uF DECOUPLING CAPACITOR	T22-T23
	BFTx01T	±1.0PPM	5.0VDC 3.3VDC	0°C to 70°C	FR-4 (4or6pads)	1.0 to 156.0MHz HCMOS/TTL	OPEN	T24-T25
	BFTx15T	±1.5PPM		0°C to 60°C				
	BFTx02T	±2.0PPM		-10°C to 60°C				
	BFTx25T	±2.5PPM		-10°C to 70°C				
	BFTx03T	±3.0PPM		-20°C to 70°C				
	BFTx04T	±4.0PPM		-30°C to 75°C				
BFTx05T	±5.0PPM	-40°C to 85°C						
	BFTx01CS	±1.0PPM	5.0VDC 3.3VDC	0°C to 70°C	FR-4 (4or6pads)	8.0 to 40.0MHz CLIPPED SINEWAVE	OPEN	T26-T27
	BFTx15CS	±1.5PPM		0°C to 60°C				
	BFTx02CS	±2.0PPM		-10°C to 60°C				
	BFTx25CS	±2.5PPM		-10°C to 70°C				
	BFTx03CS	±3.0PPM		-20°C to 70°C				
	BFTx04CS	±4.0PPM		-30°C to 75°C				
BFTx05CS	±5.0PPM	-40°C to 85°C						