

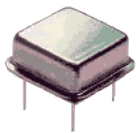
BV5xxT SERIES

HCMOS/TTL DIL-8 VCXO



- HERMETICALLY SEALED DIL-8 THRU-HOLE PACKAGE
- HCMOS / TTL SQUAREWAVE OUTPUT
- 3.3 OR 5.0V DC SUPPLY VOLTAGE
- RoHS Compliant
- WIDE ARRAY OF PULLABILITY OPTIONS (50-200ppm)
- FREQUENCY STABILITY AS TIGHT AS ± 10 ppm
- -40 TO +85°C TEMPERATURE RANGE AVAILABLE
- OPEN CRYSTAL DESIGN

BV5xxT VCXO SERIES							
Frequency Range		1.0 to 200.0MHz					
Output Wave Form		HCMOS/TTL SQUAREWAVE					
Frequency Stability		± 10 ppm	± 15 ppm	± 20 ppm	± 25 ppm	± 50 ppm	± 100 ppm
Temperature Range	0 to 70°C	YES	YES	YES	YES	YES	YES
	0 to 60°C	YES	YES	YES	YES	YES	YES
	-10 to 60°C	YES	YES	YES	YES	YES	YES
	-20 to 70°C	YES	YES	YES	YES	YES	YES
	-30 to 75°C	Contact Us	YES	YES	YES	YES	YES
	-10 to 70°C	Contact Us	Contact Us	YES	YES	YES	YES
	-40 to 85°C	Contact Us	Contact Us	YES	YES	YES	YES
Frequency Stability	Vs. Supply Voltage	± 1.0 ppm (Vcc $\pm 5\%$ change)					
	Vs. Load Changes	± 1.0 ppm (Load $\pm 5\%$ change)					
	Vs. Load Changes	± 1.0 ppm					
Supply Current		20mA Max @ 20MHz					
Load		15pF/10TTL (Standard) * Contact Sales for Custom Load Specification Options *					
Pull Range(Minimum)		± 50 ppm / ± 75 ppm / ± 100 ppm / ± 150 ppm / ± 200 ppm / User Specified					
Supply Voltage (Vcc)		5Vdc $\pm 5\%$			3.3Vdc $\pm 5\%$		
Control Voltage(Vcon)		2.5Vdc			1.65Vdc		
Control Voltage Range	0.5~4.5V (Suffix Blank)			0.3~3.0V (suffix E)			
	0~5.0V (Suffix A)			0.5~2.5V (suffix F)			
	0.5~4.75V (Suffix C)			0~3.3V (suffix G)			
	0.5~5.0V (Suffix D)						
Input Impedance		100K Ohms					
Linearity		10%					
Slope		Positive					
SSB Phase Noise At 25°C	Offset	10 Hz	100Hz	1 kHz	10 kHz	100 kHz	
	3.3V-51.840MHz	-82dBc/Hz	-115dBc/Hz	-140 dBc/Hz	-150 dBc/Hz	-155 dBc/Hz	
	3.3V-155.520MHz	-80dBc/Hz	-110dBc/Hz	-125dBc/Hz	-135dBc/Hz	-142dBc/Hz	
Storage Temperature		-55 to 125°C					
Output Level	TTL			HCMOS			
	Level-1(VH):2.4V			Level-1(VH): 90%Vcc			
	Level-0(VL):0.4V			Level-0(VL): 10%Vcc			
BV5xxT VCXO SERIES PART NUMBER GUIDE							
MODEL	STABILITY	T	Voltage	Control Voltage(Range)	OPER. TEMP. (°C)	Pull Range(Minimum)	FREQ.
BV5	10= ± 10 ppm		33=3.3V	Blank=2.5V(0.5~4.5V)	A=0°C TO 70°C	50= ± 50 ppm	In MHz
	15 = ± 15 ppm		5=5.0V	A=2.5V(0~5.0V)	B=0°C TO 60°C	75= ± 75 ppm	
	20 = ± 20 ppm			C=2.5V(0.5~4.75V)	C =-10 to 60°C	100= ± 100 ppm	
	25 = ± 25 ppm			D=2.5V(0.5~5.0V)	H=-10°C TO 70°C	150= ± 150 ppm	
	50 = ± 50 ppm			E=1.65V(0.3~3.0V)	D=-20°C TO 70°C	200= ± 200 ppm	
	00 = ± 100 ppm			F=1.65V(0.5~2.5V)	E=-30°C TO 75°C	U=User Specified	
				G=1.65V(0~3.3V)	M=-40°C TO 85°C		
GULL WING PACKAGE OPTION Add SUFFIX "G" AFTER PART NUMBER							
PART NUMBER EXAMPLE							
BV5	10	T	33	A	A	50	10.0
TYPICAL APPLICATIONS							
TELECOMMUNICATION / WIRELESS APPLICATION							



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