

## **Features**

- Ultra Stable
- Wide Temperature RangeSMD Package (7.0×5.0mm)
- Provide Stratum III Level Frequency Stability

## **Applications**

- Base Stations
- Instrumentations
- Synthesizer lacktriangle
- SDH/SONET
- Medical Electronics



BT0507B Specifications							
Parameter		Value			1124	9 11/1	
		Min.	Тур.	Max.	Unit	Conditions	
Supply Voltage		_	3.3	_	V		
		_	5	_	V		
Supply Current		_	-	8	mA	10MHz~26MHz (Including 26MHz)	
		_	-	12	mA	26MHz~60MHz	
Frequency Range			10 ~ 52		MHz		
Nominal Frequency		10, 12.8, 13, 15.36, 16, 16.32, 16.384, 19.2, 20, 24.576, 25, 26, 30.72, 40, 50			MHz		
Initial Frequency Tolerance		_	-	±0.5	ppm	At shipment, nominal EFC, +25℃	
Freq. Stability Vs. Temp.		±0.05	_	±0.5	ppm	-20℃~+70℃	
		±0.1	_	±0.5	ppm	-40℃~+85℃	
		±0.2	_	±1.0	ppm	-50℃~+90℃	
		±0.5	-	±1.0	ppm	-55℃~+95℃ (ex	cept for 10MHz)
Clipped	Output Level	0.8	_	_	Vp-p		
Sine Wave	Load		10kΩ//10pF				
HCMOS	V <sub>OH</sub>	2.4	-	-	V	HCMOS Output, Load=15pf	
	$V_{OL}$	_	-	0.4	V	HCMOS Output, Load=15pf	
	Duty Cycle	45	-	55	%	( V <sub>OH</sub> - V <sub>OL</sub> )/2	
	Rise/Fall Edge	_	-	6	ns	HCMOS Output, Load=15pf	
	Load	_	-	15	pf		
RMS Jitter(By E5052B)		0.4	-	1.3	ps	12KHz~5MHz	
Supply Sensitivity		_	_	±0.1		Vcc±5%	
Load Sensitivity		_	_	±0.2	ppm	Load±5%	
Aging/ First Year		_	-	±1.0		Standard	
SSB Phase Noise @10MHz		_	-	-95	dBc/Hz	Offset 10Hz	At +25℃
		_	-	-120		Offset 100Hz	
		_	-	-140		Offset 1kHz	
		_	-	-145		Offset 10kHz	
		_	-	-150		Offset 100kHz	
Control Voltage Range			1.5 ± 1.0		V		
Frequency Turning Range		±5	-	±12	ppm		
Tuning Slope		positive					
Non-linearity		_	-	10	%		
			Phase N	oise @1KF	lz		
Frequency Range		<-125dBc	<-130dBc	<-135dBc	<-140dBc	○=Available X= Not Available	
10MHz 12.8~20MHz		0	0	0	0		
12.8~20MHZ 20.48~38.4MHz		0	0	X	X		
≥40MHz		0	X	X	X		



