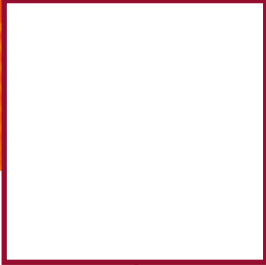


FREQUENCY



VCO 2020 - 2060 MHz

Voltage Controlled Oscillator
Specification (rev-B)

- ▣ Electrical Specifications
- ▣ Mechanical Parameters
- ▣ Marking
- ▣ Comments

VCO 2020 - 2060 MHz

Voltage Controlled Oscillator
Specification (rev-B)

February 17th, 2005

VLB2020

ELECTRICAL SPECIFICATIONS

Parameter	Min.	Typ.	Max.	Units	Comments	
Frequency Range	2020		2060	MHz		
Operating Temperature	-40		75	°C		
Output Power	1	3	5	dBm		
Tuning Voltage	0.5		4.9	V		
Tuning Sensitivity	11		20	MHz/V	2020 @ 2030	
Tuning Sensitivity	14.5		26.5	MHz/V	2030 @ 2060	
Instantaneous slope temperature drift	-15		+15	%	At each Vtune value in frequency range	
SSB Phase				dBc/Hz		
Offset	10	KHz		-105	dBc/Hz	
Offset	100	KHz		-125	dBc/Hz	
Offset	1	MHz		-145	dBc/Hz	
Frequency Pushing				10	MHz/V	
Frequency Pulling				15	MHz	
Harmonics Suppression				-15	-10	dBc
Spurious				-90	dBc	
Output Impedance		50		Ω		
DC Supply Voltage		4.75	5.0	5.25	V	

MECHANICAL PARAMETERS

Case type : SM1

MARKING

Manufacturer's Name : Yes
Part number : VLB 2020

COMMENTS

Capping : All around