



MODEL #CSR04050910-01 (Subsystem)

VCO Subsystem

ELECTRICAL SPECIFICATIONS @ T =25°C, 50• SYSTEM

Parameter	Min	Typ	Max	Unit
Output 1(Fo/2)				
Frequency	4596		5108	MHz
Power Level: +10 +/-3 dBm				
Harmonics: -30dBc				
Output 2 (Fo)				
Frequency	9192		10216	MHz
Power Level: +13 +/- 3dBm				
Harmonics: -20dBc				
Outputs 1&2				
Spurious Responses: -60 dBc				
Output Isolation: 20dB				
Output Return Loss	10			dB
Frequency Pulling		5 KHz Open to Short		KHz
Post-Tuning Frequency Drift		1 MHz 3-100uS		MHz
SSB Phase Noise				
1KHz: -40 dBc/Hz				
100KHz: -100 dBc/Hz				
1MHz: -124 dBc/Hz				
Note: these specs are guaranteed by design, but not tested.				
Tuner Control				
Frequency Span(Fo): 1024MHz				
Control Range: 3V(+/- 0.5V) to 12V(+/- 1V)				
Input Impedance: 5 pF Max.				
Bandwidth (Agility): DC-1MHz				
Tuning Sensitivity: As per "VCO Tuning Curve" +/- 20%				
Available DC Power: +15V@450mA, -15V@200mA				
Power Consumption: 10W Max.				
ENVIRONMENTAL CHARACTERISTICS				
Parameter	Min	Typ	Max	Unit
Operating Temperature	-54		+90	°C

MECHANICAL SPECIFICATIONS

Parameter	Value	Units	Limits
Dimensions or Package	-	Inch	Max
Weight	8	oz	Max

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