## Engineering Development Model

## **Frequency Synthesizer**

## **KSN-EDR10952**

## **Important Note**

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information



Please click "Back", and then click "Contact Us" for Applications support.

**CASE STYLE: DK1042** 

MORE OF CONTORTION	5022, Over -20 C	to +/0°C	ELECTRICAL SPECIFICATIONS 50Ω, over -20°C to +70°C						
Min.	Typ.	Max.	Units						
4595.32		4597.32	MHz						
	298		kHz						
	523		μsec						
-8	-4	-1	dBm						
offset	-76		Bc/Hz						
offset	-81	-75	dBc/Hz						
offset	-88	-82	dBc/Hz						
offset	-115	-110	dBc/Hz						
offset	-136	-131	dBc/Hz						
	-41		dBc						
~~~	-77		dBc						
* G	-94		dBc						
	-90		dBc						
	-26		dBc						
0	3.3		V V						
7 7 7	25 17	33 25	V V						
	10		MHz						
	1		Vp-p						
	100		kΩ						
z	-145		dBc/Hz						
1.4		3.3	V						
4	Y	0.6	V						
2.9		3.3	V						
		0.4	V						
Frequency Synthesizer PLL ADF4157									
	Min. 4595.32  -8  offset offset offset offset offset  1.4	Min. Typ.  4595.32  298  523  -8  -4  offset offset offset offset offset  -76 -81 -88  -115 -136  -41 -77 -94 -90 -26 3.3 3.3 3.3 3.3 3.3  25 17 10 1 100 -145 2.9	Min. Typ. Max.  4595.32						

ABSOLUTE MAXIMUM RATINGS				
Operating Temperature	-40°C to 85°C			
Storage Temperature	-55°C to 100°C			
VCO Supply Voltage	4.3V			
PLL Supply Voltage	4.3V			
Reference Frequency voltage	3.6Vp-p			
Data, Clock & LE levels	3.6V			

PIN CONNECTIONS				
RF OUT	3	CLOCK	10	
VCC VCO	5	DATA	11	
VCC PLL	1	LATCH ENABLE	12	
REF IN	7	GROUND	2,4,6,8,13,14	
LOCK DETECT	9			

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A. Performance and quality attributes and conditions
 B. Electrical specifications and performance data con
 C. The parts covered by this specification document is
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