## Engineering Development Model

## **Voltage Controlled Oscillator**

## 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.

## ZOS-ED10431/1



**CASE STYLE : BR386** 

ELECTRICAL SPECIFICATIONS 50Ω					
Parameter	Min.	Тур.	Max.	Units	
Frequency	1250		1350	MHz	
Tuning Voltage	0		10	V	
Power Output		+8		dBm	
Phase Noise					
at 1 kHz offset		-74		dBc/Hz	
at 10 KHz offset		-99		dBc/Hz	
at 100 KHz offset		-120		dBc/Hz	
at 1000 kHz offset		-140		dBc/Hz	
Pulling at 12 dBr PK-PK all phases		0.02		MHz	
Pushing at Vcc=5V±0.25V		1.6		MHz/V	
Tuning Sensitivity		20 - 25		MHz/V	
Harmonic Suppression		-35		dBc	
3 dB Modulation Bandwidth		8500		kHz	
Supply Voltage		12		V	
Supply Current			140	mA	

MAXIMUM RATINGS			
Operating Temperature	-55°C to 85°C		
Storage Temperature	-55°C to 100°C		
Absolute Supply Voltage (Vcc)	+14V		
Absolute Tuning Voltage (Vtune)	+12V		

PIN CONNECTIONS			
VCC	1		
V-TUNE	2		
MAIN RF OUTPUT	3		
AUX RF OUTPUT	4		



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