

## Engineering Development Model

# Voltage Controlled Oscillator

# MOS-EDR5455/1

### 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.



**CASE STYLE : CZ682**

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ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	Max.	Units
Frequency	43		45	MHz
Tuning Voltage	0.5		5.5	V
Power Output		+2		dBm
Phase Noise	at 1 kHz offset	-95		dBc/Hz
	at 10 KHz offset	-116		dBc/Hz
	at 100 KHz offset	-137		dBc/Hz
	at 1000 kHz offset	-154		dBc/Hz
Pulling at 12 dBr PK-PK all phases		0.2		MHz
Pushing at Vcc=5V±0.25V		0.5		MHz/V
Tuning Sensitivity		0.5 - 3		MHz/V
Harmonic Suppression		-19	-9.5	dBc
3 dB Modulation Bandwidth		550		kHz
Supply Voltage		5		V
Supply Current			15	mA

MAXIMUM RATINGS	
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Supply Voltage (Vcc)	+7V
Absolute Tuning Voltage (Vtune)	+7.5V

PIN CONNECTIONS	
RF OUT	10
VCC	14
V-TUNE	1
GROUND	2,4,6,7,8