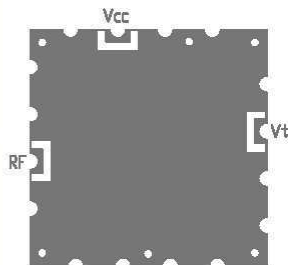
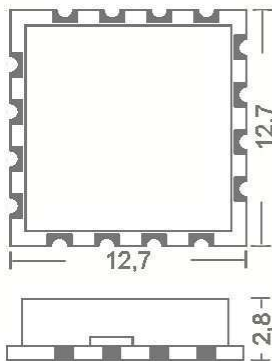


VCO Voltage Controlled Oscillator

SMD-version

part no.	12.xxxxx				
model	KXO-59				
	RSV2545A				
supply voltage (Vcc)	5.0 ± 10%				
tuning voltage (Vt)	0.5 ~ 4.5 V				
operating temperature	-40°C ~ +85°C				
storage temperature	-40°C ~ +85°C				
storage humidity	5 ~ 95%				
electrical characteristics at +25°C, humidity 60%					
supply voltage	min.	typ	max	unit	test conditions
		5		V	DC voltage
frequency			2390	MHz	V _{DD} = 5V, V _t = 0.5V
	2700			MHz	V _{DD} = 5V, V _t = 4.5V
current		25		mA	V _{DD} = 5V, V _t = 2.5V
output level	3,5	6,0	8,5	dBm	V _{DD} = 5V, V _t = 2.5V
phase noise (C/N)		-75	-70	dBc/Hz	1kHz offset, BW = 1 Hz
		-100	-95	dBc/Hz	10kHz offset, BW = 1 Hz
		-120	-115	dBc/Hz	100kHz offset, BW = 1 Hz
		-140	-135	dBc/Hz	1MHz offset, BW = 1 Hz
2 nd harmonic		-20	-10	dBc	V _{DD} = 5V
tuning sensitivity	80			MHz/V	V _t = 0.5V ~ 4.5V
pulling		3,0	6,0	MHz	V _{DD} = 5V, V _t = 0.5V ~ 4.5V
					VSWR = 2 all phase
pushing		0,5	1,0	MHz	V _{DD} = 5V ± 1V, V _t = 2.5V
contents of reel	1000 pcs				

Dimensions (mm):



Reflow soldering condition:

