

VCO Voltage Controlled Oscillator

SMD-version

model	KXO-59				
	RSV1850A				
supply voltage (Vcc)	5,0 ± 10%				
tuning voltage (Vt)	0,7 ~ 4,3 V				
operating temperature	-40°C ~ +85°C				
storage temperature	-40°C ~ +85°C				
storage humidity	5 ~ 95%				
electrical characteristics at +25°C, humidity 65%					
	min.	typ	max	unit	test conditions
supply voltage		5		V	DC voltage
frequency			1800	MHz	Vcc = 5V, Vt = 0,7V
	1900			MHz	Vcc = 5V, VT = 4,3V
current			22	mA	Vcc = 5V, VT = 2,5V
output level	4		9	dBm	Vcc = 5V, Vt = 2,5V
phase noise (C)/N)		-100	-96	dBc/Hz	10kHz offset, BW = 1 Hz
		-120	-116	dBc/Hz	100kHz offset, BW = 1 Hz
		-140		dBc/Hz	1MHz offset, BW = 1 Hz
2 nd harmonic		-10		dBc	Vcc = 5V, Vt = 2,5V
tuning sensitivity	28			MHz/V	Vt = 0,7V ~ 4,3V
pulling		800	2000	kHz	Vcc = 5V, Vt = 2,5V VSWR = 2 all phase
pushing		500	1000	kHz	Vcc = 5V ± 1V, Vt = 2,5V
material: P.C. Board	glass cloth epoxide resin				
material: case	Nickel silver-sheets (C7701)				
lead-free	from date code October, 2005				
contents of reel	1000 pcs				
order no.	12.98003				

