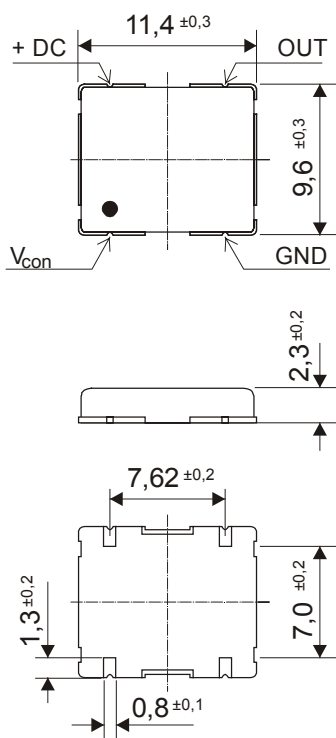


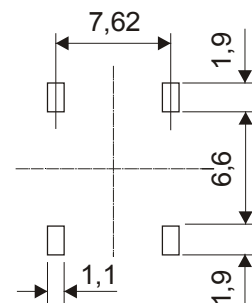
# SMI

## VOLTAGE CONTROLLED TCXO (VC-TCXO) 5 V-type SO-9455

<b>part no.</b>	<b>SO-9455</b>	
<b>nominal frequency</b>	12,8 MHz	
<b>frequency stability</b>	temperature range	±2,5 ppm over -30°C to +75°C
	input voltage change	±0,3 ppm @ 5,0 V ±5% ( $V_C = +2,5$ V DC)
	aging	±1,0 ppm/year @ +25°C
	output load change	±0,3 ppm @ 10 kΩ ±10% with 10 pF ±10%
<b>operating conditions</b>	operating temperature	-30°C to +75°C
	storage temperature	-40°C to +85°C
	input voltage	+5 V DC ±5% or +5 V DC ±0,25 V
	control voltage	+2,5 V DC ±2,0 V
<b>input current</b>	1,5 mA max.	
<b>harmonics</b>	-5,0 dBc max.	
<b>reflow frequency change</b>	±1,0 ppm @ 24 h after reflow	
<b>output</b>	level	0,8 V <sub>p-p</sub> min. @ 10 kΩ // 10 pF
	load	10 kΩ // 10 pF
	waveform	clipped sinewave
<b>frequency adjustment</b>	voltage control	±12 ppm ±25% @ +2,5 V DC ±2,0 V
<b>outline dimensions</b>	see below	



PCB solder pad layout



all dimensions in mm