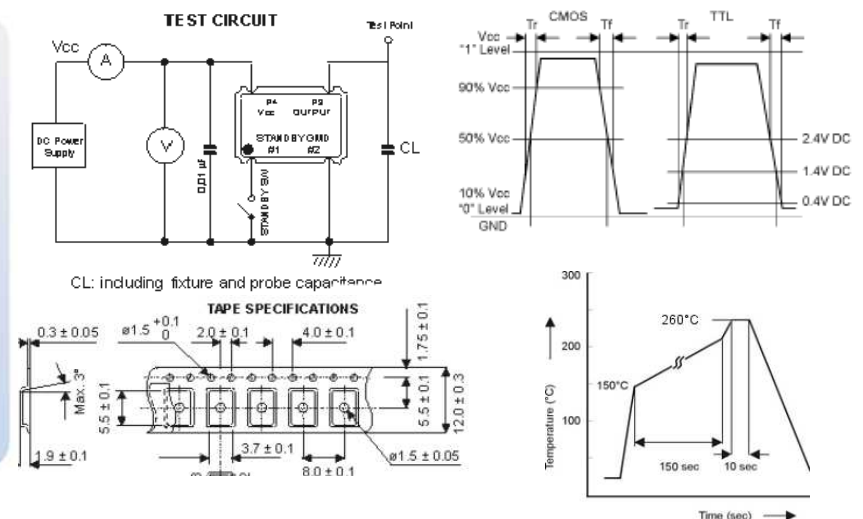
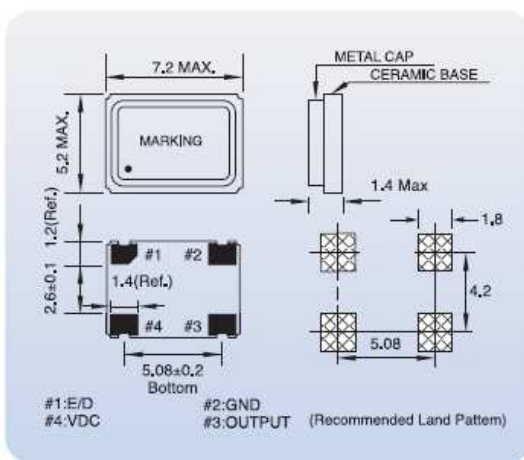


# IO 21

## Clock Oscillator 5,0 V

Dimensions l/w/h (max)	<b>7,2 mm x 5,2 mm x 1,4 mm</b>		
Frequency range	0,5 MHz to 156,0 MHz		
Operating Temperature	Refer to Ordering Guidance		
Frequency Stability in Operating Temp. Range	Refer to Ordering Guidance		
Power supply voltage	5,0 V $\pm$ 10%		
Storage Temperature	-55°C to +125°C		
Output level	CMOS		TTL
Output symmetry	40-60% at 50%VDD		40-60% at 1,4 VDC
Rise & Fall Time	0,5 MHz -31,99 MHz	10 nS	10 nS
	32,0 MHz -99,99 MHz	6 nS	5 nS
	100 MHz -156 MHz	4 nS	4 nS
Input current max.	0,5 MHz -9,99 MHz	10 mA	15 mA
	10,0 MHz -19,99 MHz	15 mA	20 mA
	20,0 MHz -31,99 MHz	25 mA	30 mA
	32,0 MHz -49,99 MHz	35 mA	40 mA
	50,0 MHz -79,99 MHz	50 mA	50 mA
	80,0 MHz -99,99 MHz	60 mA	60 mA
	100,0 MHz -156,0 MHz	80 mA	80 mA
Output load	15 pF		
Tristate	yes		
Aging	$\pm$ 3 ppm		



IO - Oscil.																		
QS-Digits:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
QS- Eingabe/Enter:	I	O	1	4	0	2	4	,	0	0	0	M	0	3	,	3	B	B
Bezeichnung/Indic.:	Gruppe		Grösse		Frequ./FRQ/Fliesskomma							Hz	Spannung/V			Fst	TR	
<b>IO Applications:</b> WLAN GPS WIFI Cell Phones Digital TV	IO Oscillators		Size code + packg. code 1-13 =3K/RL, ab 14 = 1K/RL									H/K/M/G				Frequency Stability		oper. Temp. in °C
			A	10												A	= 0°C to +70°C	
			B	20												B	= -20°C to +70°C	
			C	30												C	= -20°C to +80°C	
			D	40												D	= -25°C to +85°C	
			E	50												E	= -40°C to +85°C	
			F	80												F	= -40°C to +104°C	
			G	160												G	= best	
			H	200														
			I	100														
			J	oth.														

IR - Reson.																		
QS-Digits:	1	2	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
QS- Eingabe/Enter:	I	R	Z	T	T	C	C	0	0	2	,	0	0	0	M	G		
Bezeichnung/Indic.:	Gruppe		Bezeichnung / Item Code							Frequency							Design Mode	
<b>IR Applications:</b> DAB Cable Modem Remote Control	IR Resonator																	