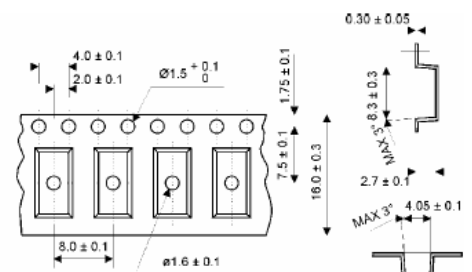
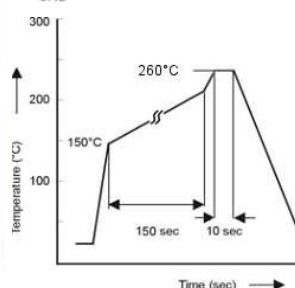
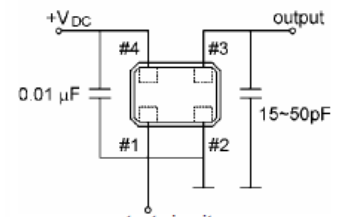
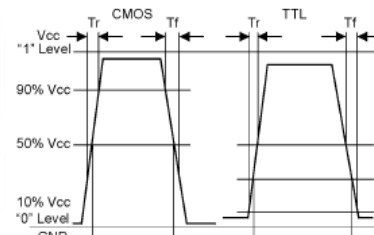
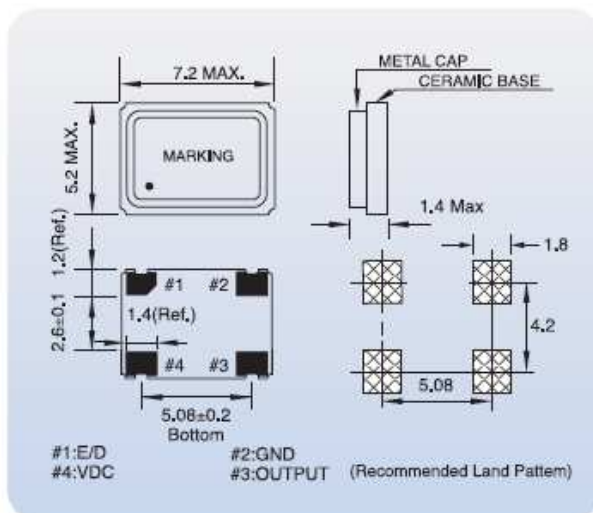


# IO 19

## Clock Oscillator 1,8 V/2,5 V/3,3 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	1,8 V/2,5 V/3,3 V	
Storage Temperature	-55°C to +125°C	
Output level	CMOS/TTL	
Output symmetry	40-60% (45-55% avail.) ±10% at 50%VDD	
Rise & Fall Time	0,5 MHz to 79,99 MHz	5 nS
	80,0 MHz to 156,0 MHz	3 nS
Input current max.	0,5 MHz to 31,99 MHz	8 mA
	32,0 MHz to 79,99 MHz	20 mA
	80,0 MHz to 156,0 MHz	30 mA
Tristate	Yes	
Output load	15 pF	
Standby current	10 µA max.	
Aging	±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
																		B	20
																		C	30
																		D	40
																		E	50
																		F	80
																		G	160
																		H	200
																		I	100
J	oth.																		
												A	= 0°C to +70°C						
												B	= -20°C to +70°C						
												C	= -20°C to +80°C						
												D	= -25°C to +85°C						
												E	= -40°C to +85°C						
												F	= -40°C to +104°C						
												G	= best						

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																Design Mode