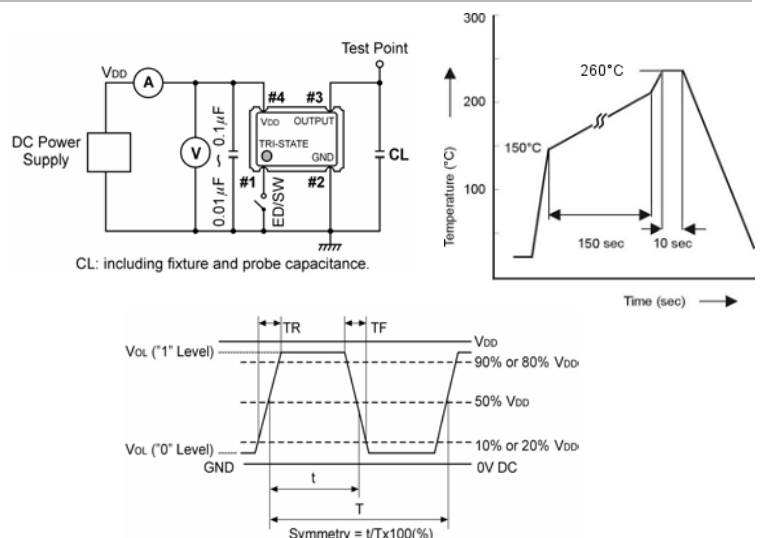
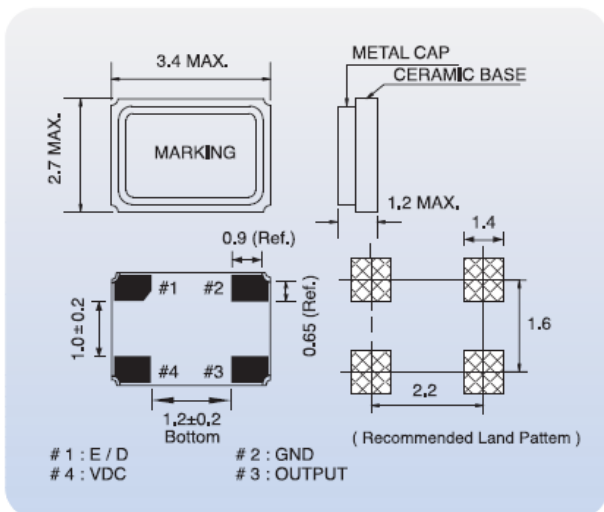


IO 12



Clock Oscillator 1,8 V/2,5 V/3,3 V/ 5,0 V

Dimensions l/w/h (max)	3,4 mm x 2,7 mm x 1,2 mm				
Frequency range	0,5 MHz to 135,0 MHz				
Operating Temperature	Refer to Ordering Guidance				
Frequency Stability in Operating Temp. Range	Refer to Ordering Guidance				
Storage Temperature	-55°C to +125°C				
Output level	CMOS				
Output symmetry	45-55% (40-60% avail.) at 50%VDD				
Power supply voltage	1,8 V	2,5 V	3,3 V	5,0 V	±10%
Input current	0,50 MHz ~ 9,99 MHz	3 mA	3 mA	5 mA	7 mA
	10,0 MHz ~ 19,99 MHz	5 mA	5 mA	10 mA	15 mA
	20,0 MHz ~ 49,99 MHz	10 mA	15 mA	20 mA	30 mA
	50,0 MHz ~ 79,99 MHz	15 mA	20 mA	25 mA	40 mA
	80,0 MHz ~ 135,00 MHz	20 mA	25 mA	40 mA	60 mA
Rise & Fall time	0,50 MHz ~ 4,99 MHz	10 nS	8 nS	6 nS	5 nS
	5,00 MHz ~ 19,99 MHz	8 nS	6 nS	5 nS	4 nS
	20,0 MHz ~ 49,99 MHz	6 nS	5 nS	5 nS	4 nS
	50,0 MHz ~ 79,99 MHz	5 nS	5 nS	4 nS	3 nS
	80,0 MHz ~ 135,00 MHz	5 nS	4 ns	3 nS	2 nS
Standby current	10 µA				
Tristate controlvoltage	VIH: VDD x 0,7min				
	VIL: VDD x 0,3 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		
IO Applications: 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
IR Applications: DAB Cable Modem Remote Control	IR Resonator																Design Mode