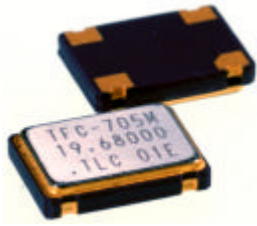


Voltage Controlled Crystal Oscillator

Low jitter



AXIS7050C63 , AXIS7050C65

Features

2.0 to 47 MHz

Set top box, MPEG, Cable Modem...

For wide range of applications

Package : Metal lid + Ceramic base

7.0 × 5.0 × 1.8 mm

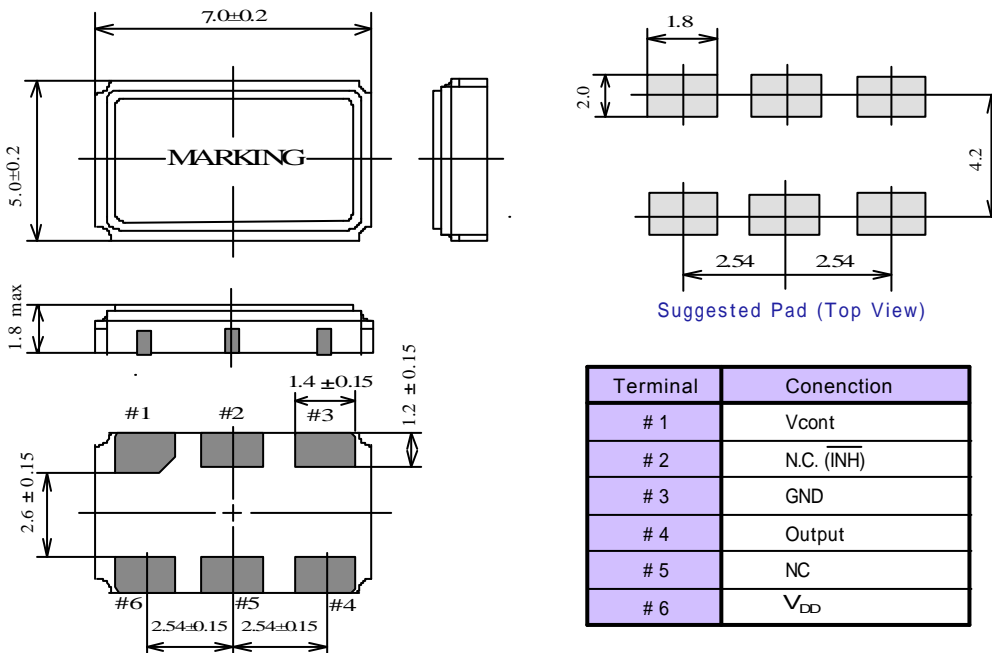
Electrical Performance

Description		Unit	AXIS7050C63		AXIS7050C65	
Available Frequency Range		MHz	2.0 ~ 47 MHz			
Frequency Stability		PPM	30 ppm , 50 ppm			
Operating Temperature		°C	-20 ~ +70°C			
Storage Temperature		°C	-55 ~ 125°C			
Supply Voltage		V	3.3V ± 10%		5.0V ± 10%	
Pullability			± 100 ppm min		± 100 ppm min	
Control Voltage			+1.65 ± 1.35V DC		+2.5V ± 2.0V DC	
Supply Current		mA	2.0 ~ 19.9MHz	10mA max	2.0 ~ 19.9MHz	15mA max
			20.0 ~ 29.9MHz	15mA max	20.0 ~ 29.9MHz	20mA max
			30.0 ~ 39.9MHz	20mA max	30.0 ~ 39.9MHz	25mA max
			40.0 ~ 47.0MHz	25mA max	40.0 ~ 47.0MHz	30mA max
Output	Output level		CMOS			
	Load		15pF max			
	"0" level	Vol	0.1V _{DD} max			
	"1" level	Voh	0.9V _{DD} min			
	Rise & Fall Time	ns	10 ns max F 9.9 MHz 6 ns max F 10 MHz at 10% ~ 90%V _{DD}			
Symmetry	%	45 ~ 55 at 1/2V _{DD}				

Environmental Characteristics

Description	Symbols	Specification
Shock		3 times free drop onto concrete board from 150cm high
Vibration		Frequency:5-500Hz, Amplitude:1.5mm, Test time:4cycles/XYZ axis
Solderability		More than 95%, at 235 ± 5°C for 3 sec
Humidity		90 to 95% relative humidity at +60 ± 3°C for 1000 hours

Outline Drawing & Suggested Pad



Terminal	Conenction
# 1	V _{cont}
# 2	N.C. (INH)
# 3	GND
# 4	Output
# 5	NC
# 6	V _{DD}

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