

# Voltage Controlled Crystal Oscillator

Low jitter

## AXIS7050C43 , AXIS7050C45



### 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	AXIS7050C43	AXIS7050C45
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 20.0 ~ 29.9MHz 15mA max 30.0 ~ 39.9MHz 20mA max 40.0 ~ 47.0MHz 25mA max	2.0 ~ 19.9MHz 15mA max 20.0 ~ 29.9MHz 20mA max 30.0 ~ 39.9MHz 25mA max 40.0 ~ 47.0MHz 30mA max
Output	Output level		CMOS	
	Load		15pF max	
	"0" level	Vol	0.1V <sub>DD</sub> max	
	"1" level	Voh	0.9V <sub>DD</sub> min	
	Rise & Fall Time	ns	10 ns max F 9.9 MHz 6 ns max F 10 MHz at 10% ~ 90%V <sub>DD</sub>	
Symmetry		%	45 ~ 55 at 1/2V <sub>DD</sub>	

### Environmental Characteristics

Description	Symbols	Specification
Shock		3 times free drop onto concrete board from 150cm height
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

