

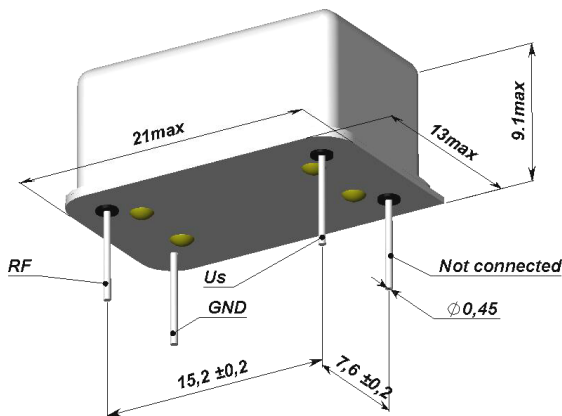
# MINIATURE CRYSTAL OSCILLATOR MV44

## XO MV 44

### SPECIFICATIONS:

<b>Frequency range</b>	4 kHz...67 MHz (4,096 kHz)		4 kHz...50 MHz	
<b>Modification</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Frequency stability vs. temperature changes</b>	$<\pm 20.0 \times 10^{-6}$	$<\pm 50.0 \times 10^{-6}$	$<\pm 7.5 \times 10^{-6}$	$<\pm 15.0 \times 10^{-6}$
<b>in temperature ranges:</b>	0°C...+70°C	-40°C...+70°C	0°C...+85°C	-40°C...+70°C
<b>Setting tolerance @ 25 °C</b>	$<\pm 10.0 \times 10^{-6}$ $<\pm 15.0 \times 10^{-6}$ $<\pm 20.0 \times 10^{-6}$		$<\pm 5.0 \times 10^{-6}$	
<b>Long term stability per year</b>	$<\pm 20.0 \times 10^{-6}$		$<\pm 5.0 \times 10^{-6}$	
<b>Frequency stability vs. power supply changes</b>	$<\pm 5.0 \times 10^{-6}$ – up to 8,192 MHz $\pm 10.0 \times 10^{-6}$ – over 8,192 MHz			
<b>Supply Voltage</b>	5V $\pm$ 10%			
<b>Current consumption</b>	$<5...14$ mA		4 kHz...40 MHz $<5...10$ mA	40...50 MHz $<12$ mA
<b>Output</b>	TTL or HCMOS			
<b>Load</b>	2 TTL gates or 5 HCMOS gates			
<b>Overall stability per year</b>	$<\pm 50.0 \times 10^{-6}$	$<\pm 75.0 \times 10^{-6}$	$<\pm 18.0 \times 10^{-6}$	$<\pm 25.0 \times 10^{-6}$

### OUTLINE / INSTALLATION DRAWINGS



#### ENVIRONMENTAL SPECIFICATION

<b>Storage temperature</b>	-55°C ...+85°C
<b>Humidity</b>	98 % at +25°C
<b>Shock</b>	15 g
<b>Vibrations</b>	1 – 200 Hz, 5 g

Due to continuous development and improvement Morion, Inc. reserves the right to modify design or specifications of its products without prior notice

Status: November 2008