

# MURATA MQC-403 VCO

## SPECIFICATIONS:

- **Frequency range:** 470 - 550 MHz @ 0.5 - 12V tuning voltage
- **Frequency range:** 470 - 580 MHz @ 0.5 - 15V tuning voltage
- **Output level:** 1 - 4mW @ 4 - 6V power supply
- **Output level:** 4 - 6mW @ 8V power supply
- **Tuning voltage:** 0 - 16V max.
- **Tuning sensitivity:** 7 MHz / V
- **Modulation:** to apply to the modulation pin
- **Phase noise:** -114dBc / Hz @  $\pm 25$  KHz (V = +4V 470-500 MHz)
- **Signal/Noise ratio (S/N):** 50dB min.
- **Power supply:** 4 - 8V, 6 - 15mA
- **Dimensions (W x L x H):** 12.5 x 20 x 8 mm
- **Package:** with leads



Output level Vs. power supply					
Power supply		Tuning voltage (V)	RF output		Frequency (MHz)
V	mA		mW	dBm	
4	6	0.5	2	+3	469
		15	1.2	+0.5	590
6	10	0.5	4	+6	469
		15	2	+3	590
8	14	0.5	8	+9	469
		15	4	+6	590

Typical frequency Vs. tuning voltage	
(5V power supply)	
Tuning voltage (V)	Frequency (MHz)
0	465
0.5	469
5.5	507
10.5	548
15.5	590

