

SCV-510GT

Variable Type Vacuum Capacitor (VT Type)

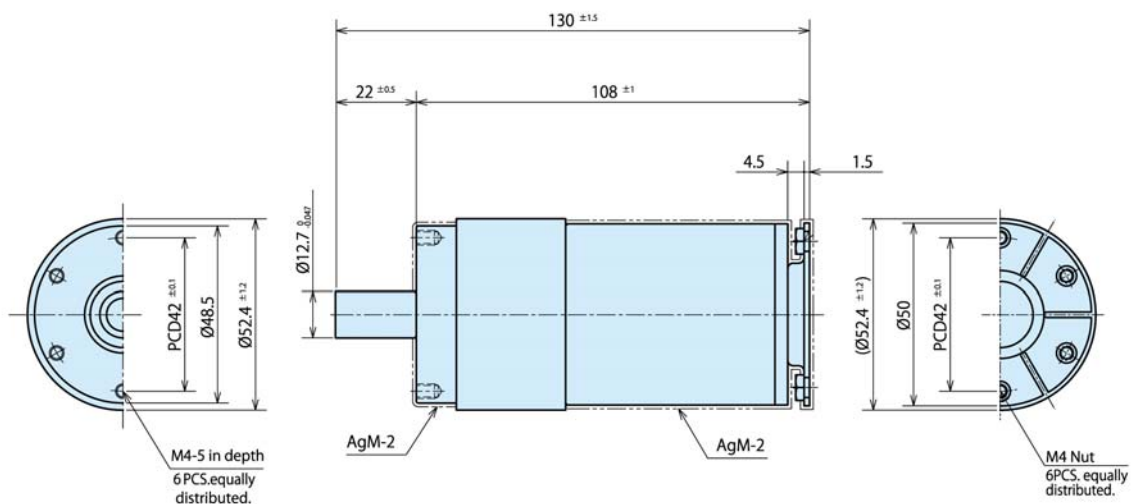
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Specification

Peak Test Voltage	5kV,peak (at 50,60 Hz/ 1 minute)
RF Working Voltage	3 kV,peak (at 13.56 MHz)
Capacitance nominal	70 – 1000 pF
Linear Variability	90±9pF/Turn ($C \geq 70\text{pF}$)
Maximum Current	80 A,rms (at 13.56 MHz)
Tuner Turns	10±1.0 Turns
Tuner Operating Torque	19.6 N·cm
Total Length	130 mm
Mounting Length	108 mm
Outer Diameter	φ52.4 mm
Weight	0.7 kg



Drawing

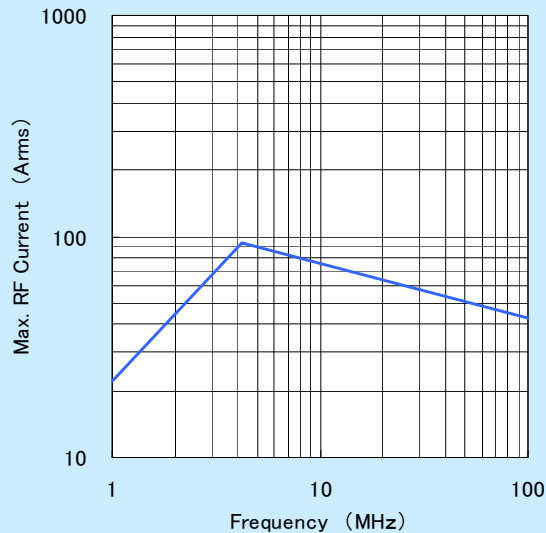


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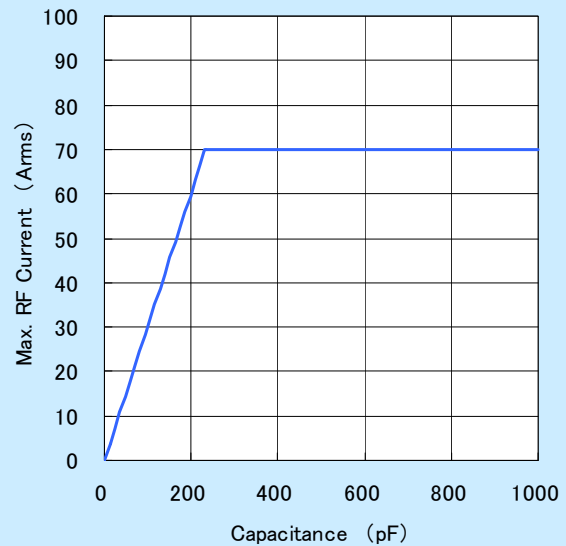
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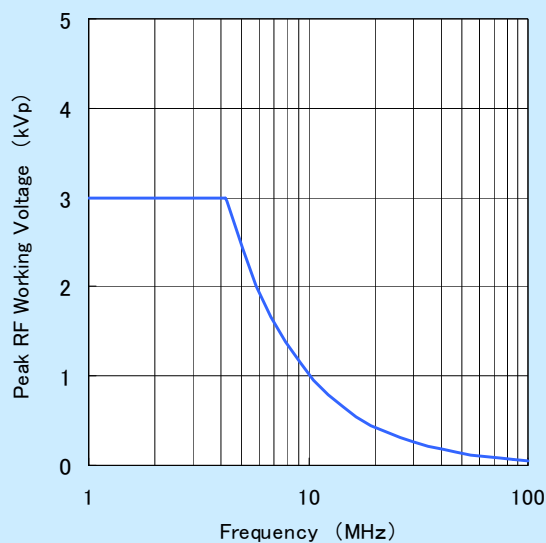
Frequency - Current response



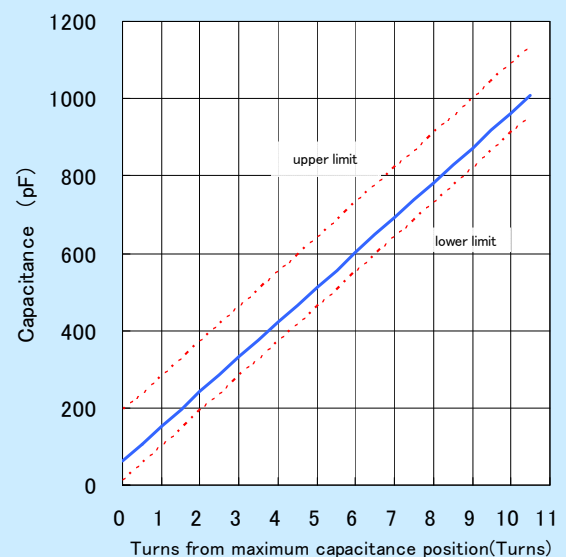
Capacitance - Current response



Frequency - Voltage response



Tuner Turns - Capacitance response



Notice:

- Current collecting system: Capacitor both-end full-face collection.
- Cooling System: Convection.
- Permissible surface temperature: 125°C.
(The surface temperature changes with current collecting conditions and ambient temperature.)
- Ambient temperature: 25°C.