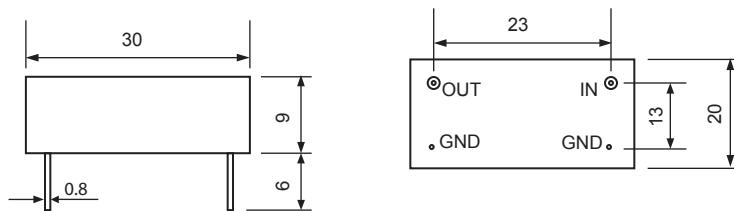
**50 Ohms INPUT & OUTPUT IMPEDANCE MULTI-POLE CRYSTAL FILTER - CF50 Series****FEATURES**

- RoHS Compliant (Pb-Free), Customized Design for Various Applications
- 50 Ohms Input & Output Impedance, Industry Standard Lead Spacing

**SPECIFICATION EXAMPLES** (P/N: CF50-Pass Bandwidth-Frequency-X, X = Customized Code)

<b>Center Frequency</b>	21.4 MHz
<b>6 dB Bandwidth</b>	± 3 KHz
<b>Insertion Loss</b>	5 dB Maximum
<b>3 dB Bandwidth Flatness</b>	< ± 1 dB
<b>60 dB Bandwidth</b>	< ± 7.37 KHz
<b>Input &amp; Output Impedance</b>	50 Ohms
<b>Symmetry</b>	On Center Frequency
<b>Operation Temperature Range</b>	-20°C to 55°C
<b>Storage Temperature Range</b>	-55°C to 85°C
<b>Center Frequency</b>	70.0 MHz
<b>6 dB Bandwidth</b>	± 4.8 KHz
<b>Insertion Loss</b>	7 dB Maximum
<b>3 dB Bandwidth Flatness</b>	0.5 dB (phase linearity)
<b>F0 ± 15KHz Attenuation</b>	60 dB
<b>F0 ± 30KHz Attenuation</b>	65 dB
<b>F0+65M to 285MHz Attenuation</b>	65 dB
<b>Input &amp; Output Impedance</b>	50 Ohms
<b>VSWR</b>	2:1
<b>Operation Temperature Range</b>	-40°C to 55°C
<b>Center Frequency</b>	70.0 MHz
<b>6 dB Bandwidth</b>	± 7.2 KHz
<b>Insertion Loss</b>	7 dB Maximum
<b>3 dB Bandwidth Flatness</b>	0.5 dB (phase linearity)
<b>F0 ± 22KHz Attenuation</b>	60 dB
<b>F0 ± 45KHz Attenuation</b>	65 dB
<b>F0+65M to 285MHz Attenuation</b>	65 dB
<b>Input &amp; Output Impedance</b>	50 Ohms
<b>VSWR</b>	2:1
<b>Operation Temperature Range</b>	-40°C to 55°C
<b>Storage Temperature Range</b>	-45°C to 65°C

**OUTLINE DRAWING**

Available in Gull Wing Configuration

All dimensions are typical unless otherwise specified

Dimensions in Millimeters