

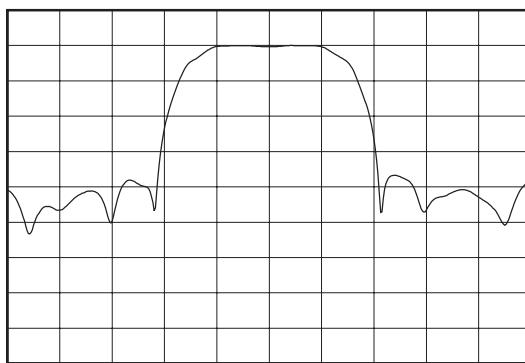
# Preliminary Specifications

## 85.380 MHz Bandpass Filter

### 1.260 MHz Bandwidth

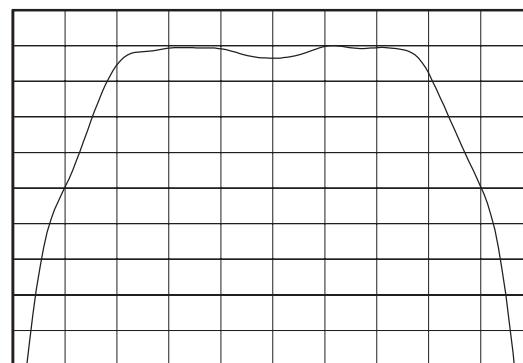
### Part Number 855676

#### Typical Performance



Horizontal: 420 kHz/Div

Vertical: 10 dB/Div



Horizontal: 150 kHz/Div

Vertical: 1 dB/Div

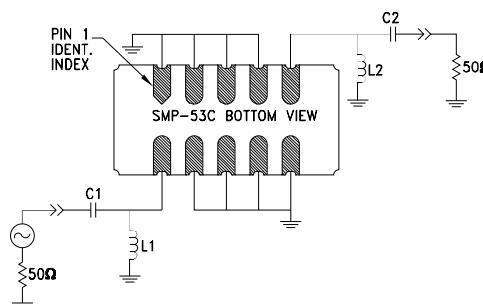
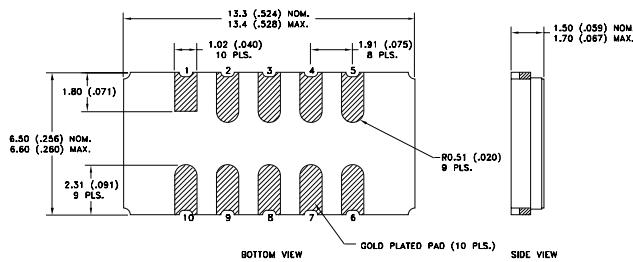
#### Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	-	85.38	-
Insertion Loss	dB	-	10.7	12
Attenuation @ $f_0 \pm 0.630$ MHz	dB	-	3.5	5
Attenuation @ $f_0 \pm 0.9$ MHz	dB	33	40 - 50	-
Attenuation @ $f_0 \pm 1.25$ MHz	dB	33	35 - 40	-
Attenuation @ $f_0 \pm 1.7$ MHz	dB	33	46 - 48	-
Attenuation @ $f_0 \pm 2.05$ MHz	dB	33	40 - 43	-
Amplitude Variation ( $f_0 \pm 0.300$ MHz)	dB p-p	-	0.35	0.7
Phase Linearity ( $f_0 \pm 0.630$ MHz)	deg rms	-	1.9	3
Ultimate Rejection	dB	45	55	-
Source/Load Characteristics *	$\Omega$	-	1K $\Omega$ / 500 $\Omega$ Single-ended or Differential	-
Substrate Material		-	Quartz	-
Operating Temperature Range	°C	-30	25	80

#### Package Outline

#### Matching Configuration

\* Can be used 50 $\Omega$  to 1K $\Omega$  with degradation in Insertion Loss



L1 = 220 nH , L2 = 180 nH

C1 = 3 pf , C2 = 3 pf

Nominal Source/Load Impedance = 50 $\Omega$

Package Style SMP-53C