

SPECIFICATION FOR A SMD BANDPASS LC FILTER

MtronPTI P/N LF9288

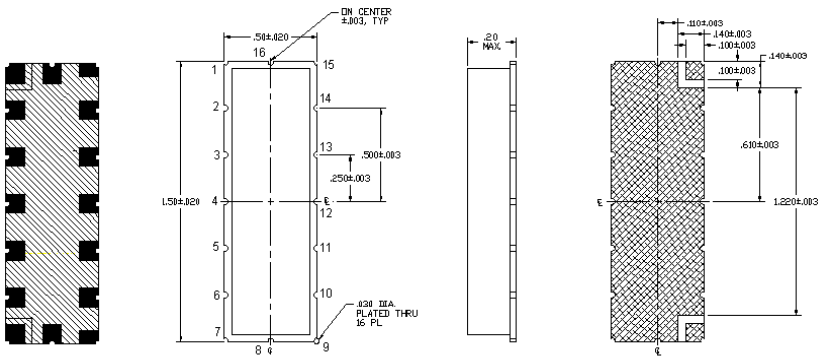
I. GENERAL & ELECTRICAL REQUIREMENTS:

1. CENTER FREQUENCY (F_0): 750.0MHz
2. PASSBAND (@ 2dB): $F_0 \pm 200$ MHz
3. INSERTION LOSS (@ peak of transmission from 550MHz thru 950MHz): ≤ 1.0 dB
4. PASSBAND RIPPLE: < 1.0 dB
5. VSWR (from 550MHz thru 950MHz): 2.0:1 or less
6. REJECTION (minimum)
 - 40dB @ ≤ 450 MHz
 - 40dB @ ≥ 1050 MHz
7. Z_{IN}/Z_{OUT} : 50 Ω Nominal

II. ENVIRONMENTAL & PHYSICAL REQUIREMENTS:

1. TEMPERATURE RANGE
 - Operating: -40°C to $+85^\circ\text{C}$
 - Storage: -55°C to $+125^\circ\text{C}$
2. SOLDERABILITY: Per EIAJ-STD-002
3. SMD PACKAGE: See drawing

DIMENSIONS



PIN #	DESCRIPTION
1	RF INPUT
7	RF OUTPUT
2,3,4,5,6,8,9,10,11,12,13,14,15,16	GROUND

Figure 1: LF9288 Outline Drawing

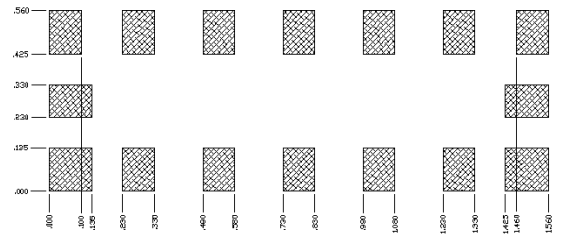


Figure 2: Recommended PAD Layout