



**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

## 30 MHz LC Bandpass Filter

**Part Number: AE30B6838**



### Electrical specifications

**Center Frequency:** 30 MHz  
**1dB Bandwidth:** 28.5-31.5 MHz  
**3dB Bandwidth:** 4 +/- 0.5 MHz  
**Insertion Loss:** 2.1 +/- 0.5 dB Max  
**Rejection:** >60 dB @ 0-19.5 MHz  
>40 dB @ 19.5-24 MHz  
>45 dB @ 42-54 MHz  
>60 dB @ 54-1000 MHz

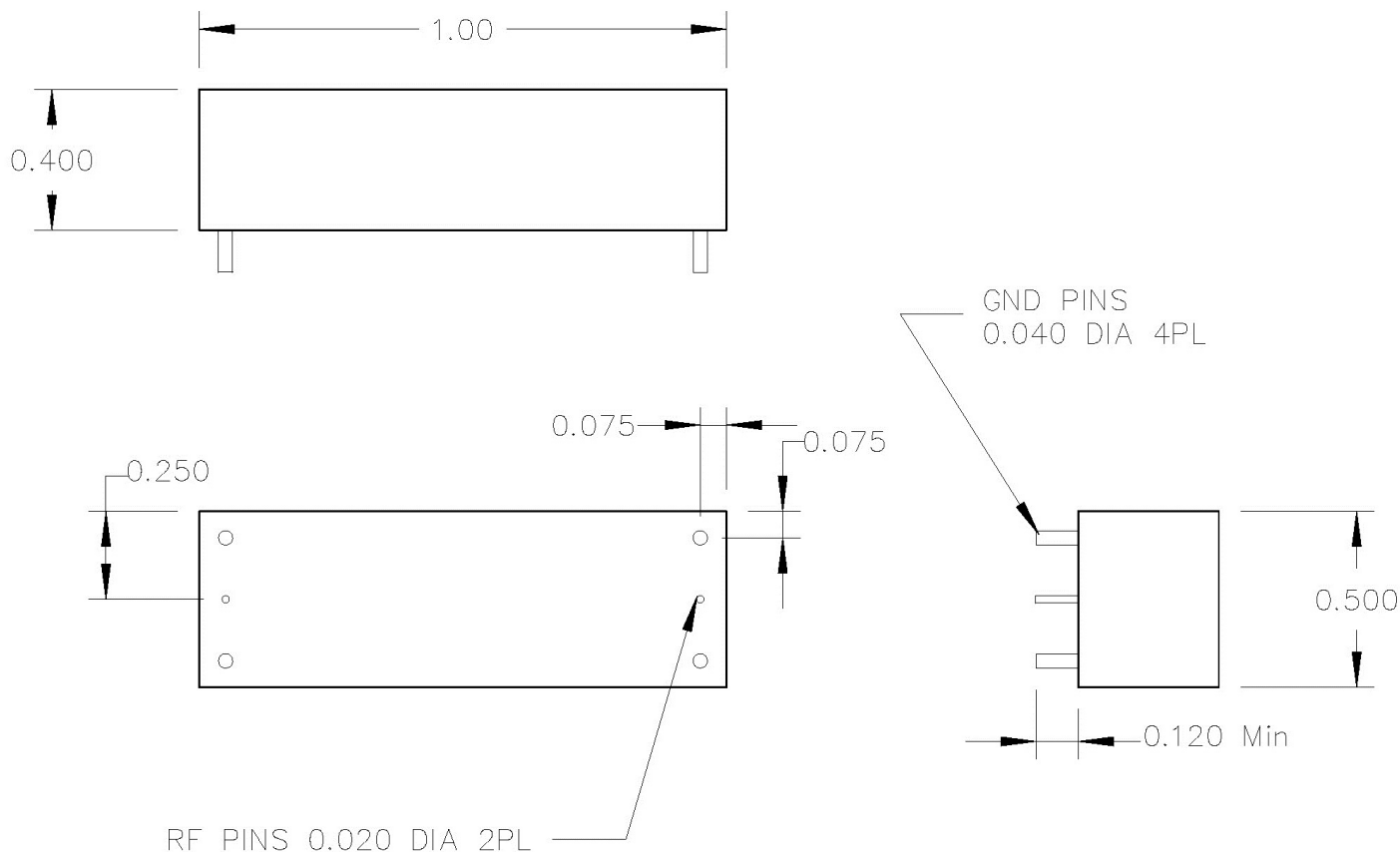
### Mechanical

**Dimensions:** 1.00 x 0.5 x 0.4 inches

### Environmental

**Operating Temperature:** -40 to +70° C

### Outline Drawing:





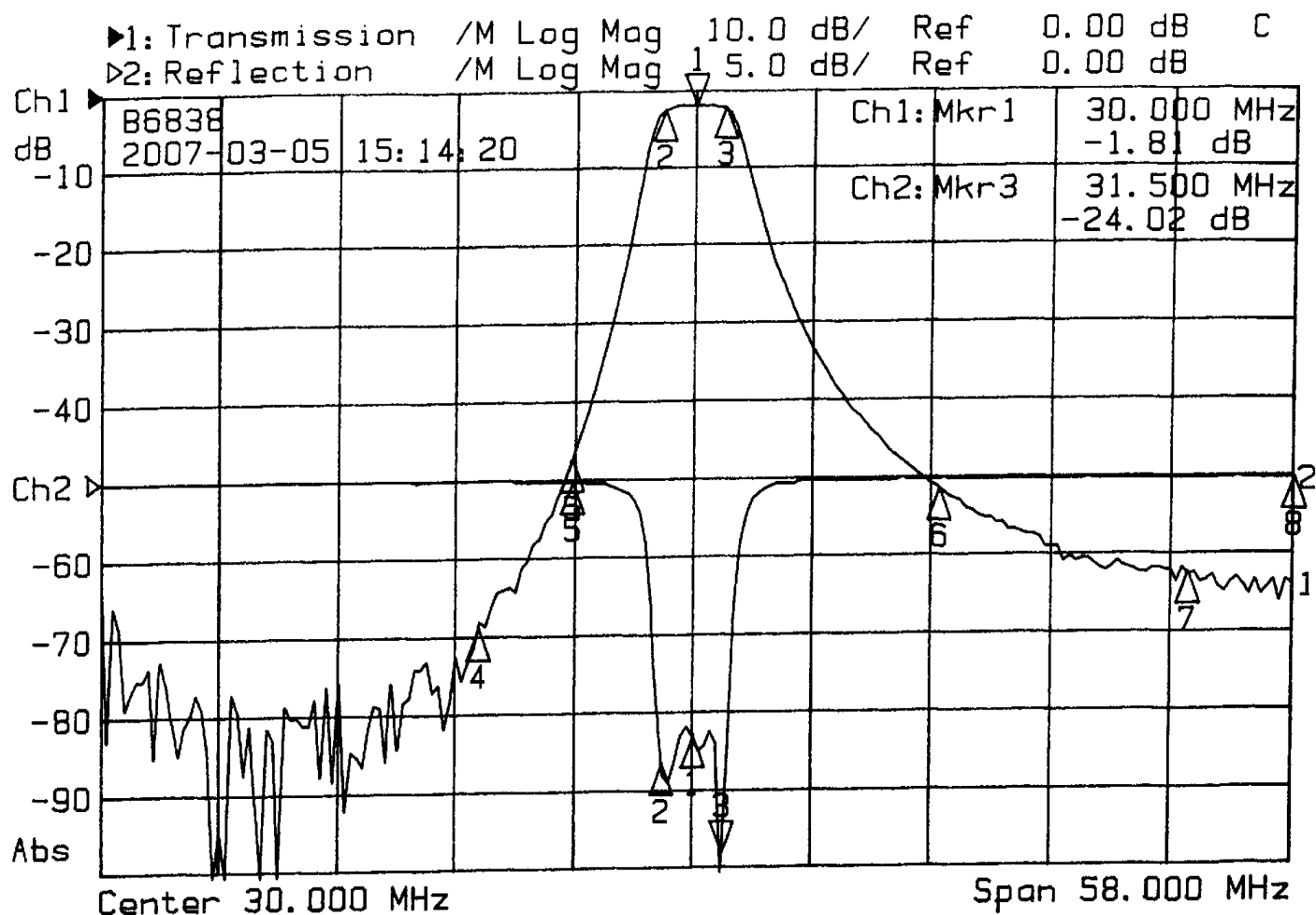
**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

## 30 MHz LC Bandpass Filter

Part Number: AE30B6838



Plot:



| 1: Mkr (MHz) |       | dB     | 2: Mkr (MHz) |       | dB     |
|--------------|-------|--------|--------------|-------|--------|
| 1>           | 30.00 | -1.81  | 1:           | 30.00 | -16.51 |
| 2:           | 28.50 | -2.53  | 2:           | 28.50 | -18.25 |
| 3:           | 31.50 | -2.34  | 3>           | 31.50 | -24.02 |
| 4:           | 19.50 | -68.95 |              |       |        |
| 5:           | 24.00 | -47.39 | 5:           | 24.00 | -0.18  |
| 6:           | 42.00 | -51.56 |              |       |        |
| 7:           | 54.00 | -62.62 |              |       |        |
|              |       |        | 8:           | 59.00 | -0.16  |