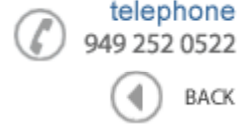




**Data Sheet**



Product Category: IF SAW Filter

|                 |                |                         |               |
|-----------------|----------------|-------------------------|---------------|
| Part Number     | Package        | Application             | Last Modified |
| 813-SL140.0M-28 | 13.3 x 6.5 SMD | Base Station & Repeater | Apr 18, 2007  |

TYPE :  
140.0 MHz Bandpass Filter  
Low Loss



PART NUMBER :  
**813-SL140.0M-28**

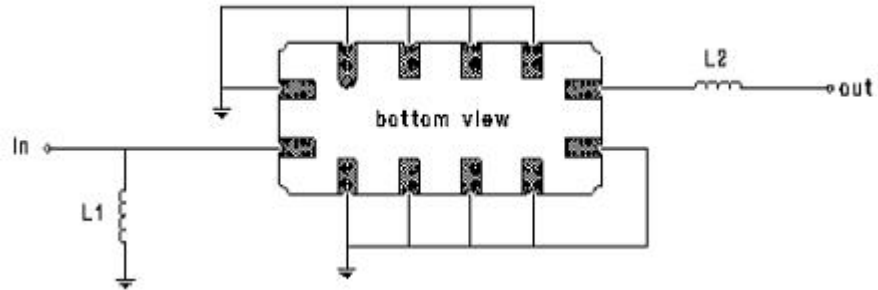
**OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

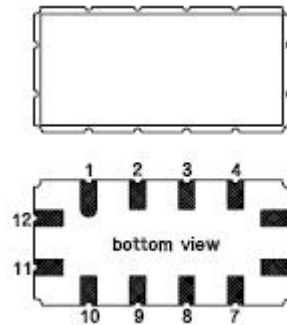
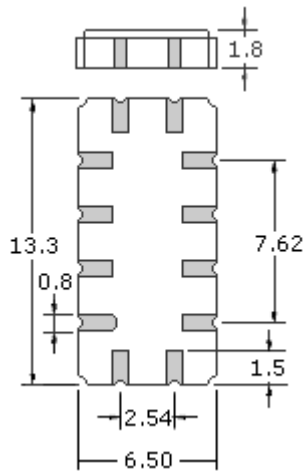
| PARAMETERS                          | Minimum | Typical | Maximum | Units  |
|-------------------------------------|---------|---------|---------|--------|
| Center Frequency                    | -       | 140.0   | -       | MHz    |
| Insertion Loss at Fo                | -       | 14.5    | 16.0    | dB     |
| Source Impedance (single ended)*    | -       | 50      | -       | ohm    |
| Load Impedance (single ended)*      | -       | 50      | -       | ohm    |
| Bandwidth at -1.0 dB                | 27.5    | 28.0    | -       | MHz    |
| Bandwidth at -3.0 dB                | 28.5    | 29.0    | -       | MHz    |
| Bandwidth at -40.0 dB               | -       | 32.8    | 33.5    | MHz    |
| Relative Attenuation:               | -       |         |         |        |
| Lower Sidelobe                      | 45      | 50      | -       | dB     |
| Upper Sidelobe                      | 45      | 50      | -       | dB     |
| Amplitude Ripple within +/-13.0 MHz | -       | 0.45    | 1.0     | dBp-p  |
| Group Delay Variation (+/-13.0 MHz) | -       | 50      | 80      | nsec   |
| Absolute Delay at Fo                | -       | 0.91    | -       | usec   |
| Temperature Coefficient             | -       | -94     | -       | ppm/°C |
| IN/OUT Return Loss @ Fo             | -       | -       | -       | dB     |

\*With Matching Network (Reference Testing Environment Circuit as shown) Modify Impedance Values as necessary.

**PACKAGE OUTLINE (mm)**

**TEST FIXTURE**

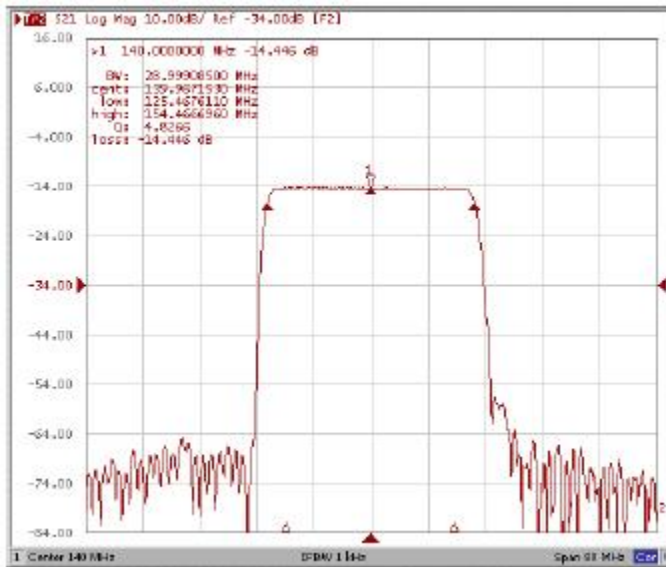




PIN Description IN-11,OUT-5,GROUND-1,2,3,4,6,7,8,9,10,12

| Test Fixture & Values |               |
|-----------------------|---------------|
| Input                 | L1=22nH Q >40 |
| Output                | L2=27nH Q >40 |

### FREQUENCY RESPONSE



**Oscilent Corporation** - CALL **949.252.0522**

**Part No.:** 813-SL140.0M-28

18195 East McDermott Street, Building D, Irvine, CA 92614, USA  
 Fax: 949.252.0599, E-Mail: Sales@Oscilent.com