



# SIPAT Co.,Ltd

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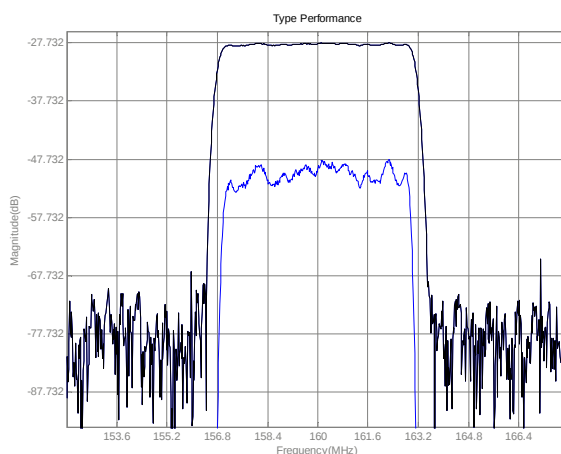
China Electronics Technology Group Corporation No.26 Research Institute

## LBS16014 SAW Filter Electrical Characteristic

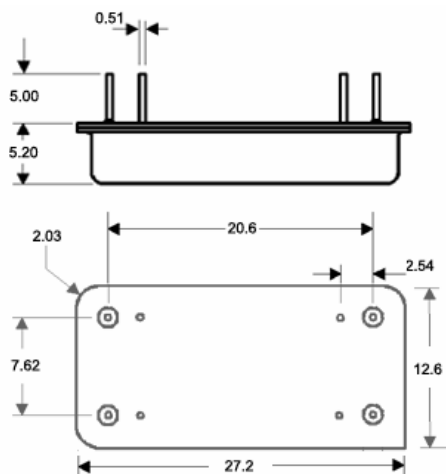
### Specifications

| Parameter                        | Unit | Minimum                                 | Typical | Maximum |
|----------------------------------|------|-----------------------------------------|---------|---------|
| <b>Center Frequency</b>          | MHz  | 159.9                                   | 160     | 160.1   |
| <b>Insertion Loss</b>            | dB   | -                                       | 27.8    | 29      |
| <b>3 dB Bandwidth</b>            | MHz  | 6.2                                     | 6.21    | -       |
| <b>30 dB Bandwidth</b>           | MHz  | -                                       | 6.94    | 7.1     |
| <b>45 dB Bandwidth</b>           | MHz  | -                                       | 7.07    | 7.3     |
| <b>Passband Variation</b>        | dB   | -                                       | 0.6     | 1       |
| <b>Absolute Delay</b>            | usec | -                                       | 3.06    | 3.5     |
| <b>Ultimate Rejection @ 5MHz</b> | dB   | 40                                      | 45      | -       |
| <b>Subatrate Material</b>        |      | Quartz                                  |         |         |
| <b>Ambient Temperature</b>       | °C   | 25                                      |         |         |
| <b>Package Size</b>              |      | DIP2712 (27.2x12.7x5.2mm <sup>3</sup> ) |         |         |

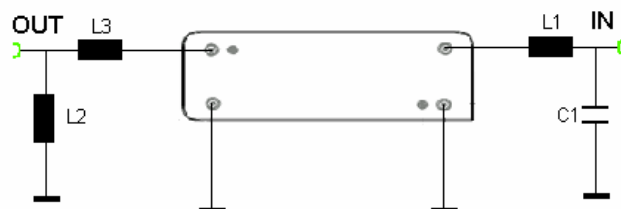
### Typical Performance



### Package Outline



### Matching Configuration



C1=47pF L1=68nH

L2=47nH L3=82nH

**Source /Load Impedance=50 ohm**

Notes - Component values may change depending  
on board layout.