

# SOONTAI TECH CO., LTD.

TEL: 886-6-2720168 FAX: 886-6-2719511  
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Customer: TKI (Germany)

Smp. No: TKI-20061023

## LPF-230M MINI LOW PASS FILTER SPECIFICATIONS (Preview)



### Label

CE LPF-230M

### ■ ELECTRICAL SPECIFICATIONS

| ITEM                        | MIN      | TYP | MAX | UNIT     |
|-----------------------------|----------|-----|-----|----------|
| Frequency Range             | 5~1000   |     |     | MHz      |
| Impedance                   | 75       |     |     | $\Omega$ |
| Pass Band                   | 5~230    |     |     | MHz      |
| Insertion Loss (5~200MHz)   |          | 0.5 | 1.0 | dB       |
| Insertion Loss (201~230MHz) |          | 2.8 | 3.5 | dB       |
| Return Loss (5~230MHz)      | 12       | 16  |     | dB       |
| Reject Band                 | 250~1000 |     |     | MHz      |
| Rejection(250~1000MHz)      | 45       | 50  |     | dB       |

The screening efficiency meets the EN 50083-2 Class A standard.

### ■ MECHANICAL SPECIFICATIONS

| ITEM                   | DESCRIPTION                        | UNIT |
|------------------------|------------------------------------|------|
| Housing                | Copper Tube                        |      |
| Connector              | 75 $\Omega$ Male & Female "F" type |      |
| Connector Screw Thread | 3/8"-32UNF                         | inch |
| Dimensions             | 13( $\phi$ ) $\times$ 46(L)        | mm   |
| Net Weight             | 18                                 | g    |

※ Waterproof

|            |                               |            |            |
|------------|-------------------------------|------------|------------|
| MODEL NO.  | LPF-230M Mini Low Pass Filter | PREVIEW    | V1.0       |
| CHECK      | ENGINEER                      | DATE       | PAGE/TOTAL |
| Dennis Duh | Jacky Dai                     | NOV 9,2004 | 1 / 4      |

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## LPF-230M

Insertion Loss and Rejection

(Span: 400MHz)

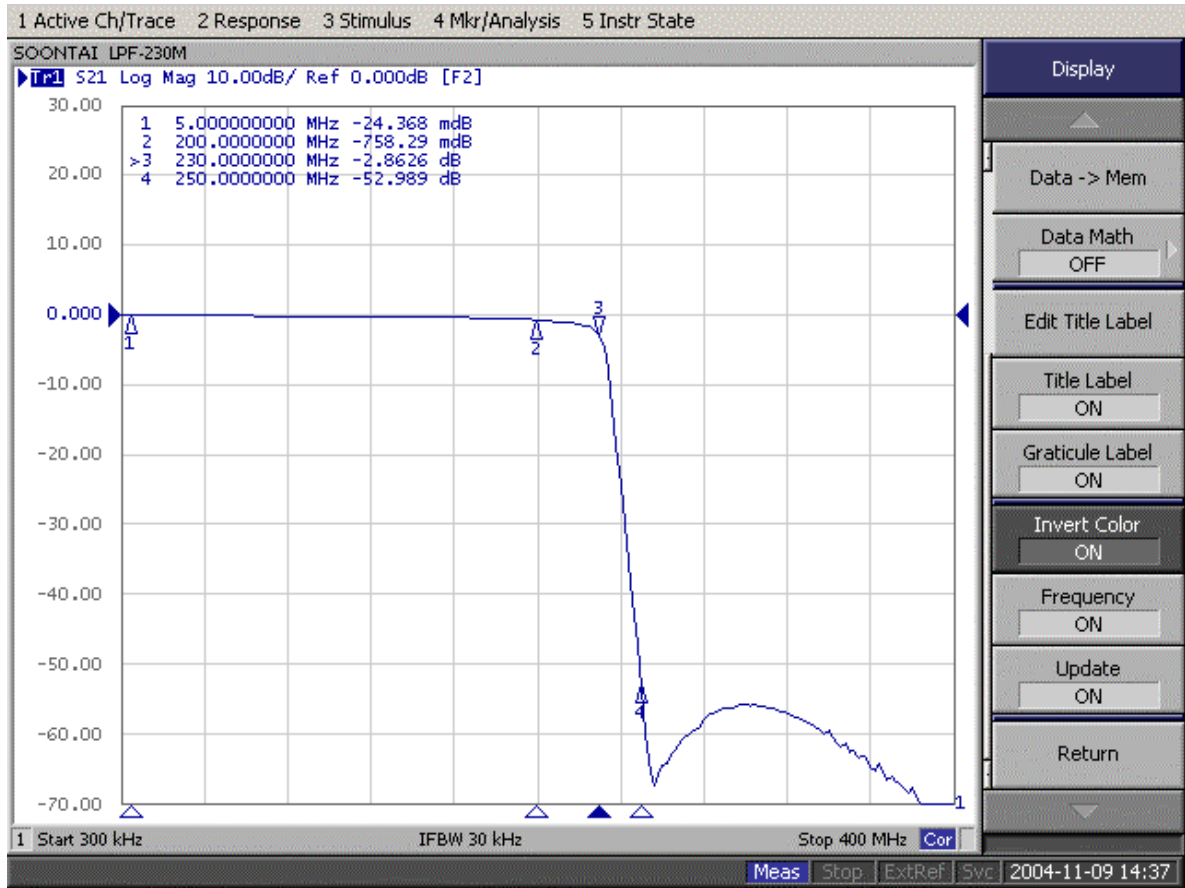


Fig. 1

|                  |                               |                |                   |
|------------------|-------------------------------|----------------|-------------------|
| <b>MODEL NO.</b> | LPF-230M Mini Low Pass Filter | <b>PREVIEW</b> | V1.0              |
| <b>CHECK</b>     | <b>ENGINEER</b>               | <b>DATE</b>    | <b>PAGE/TOTAL</b> |
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## LPF-230M

Return Loss

(Span: 400MHz)

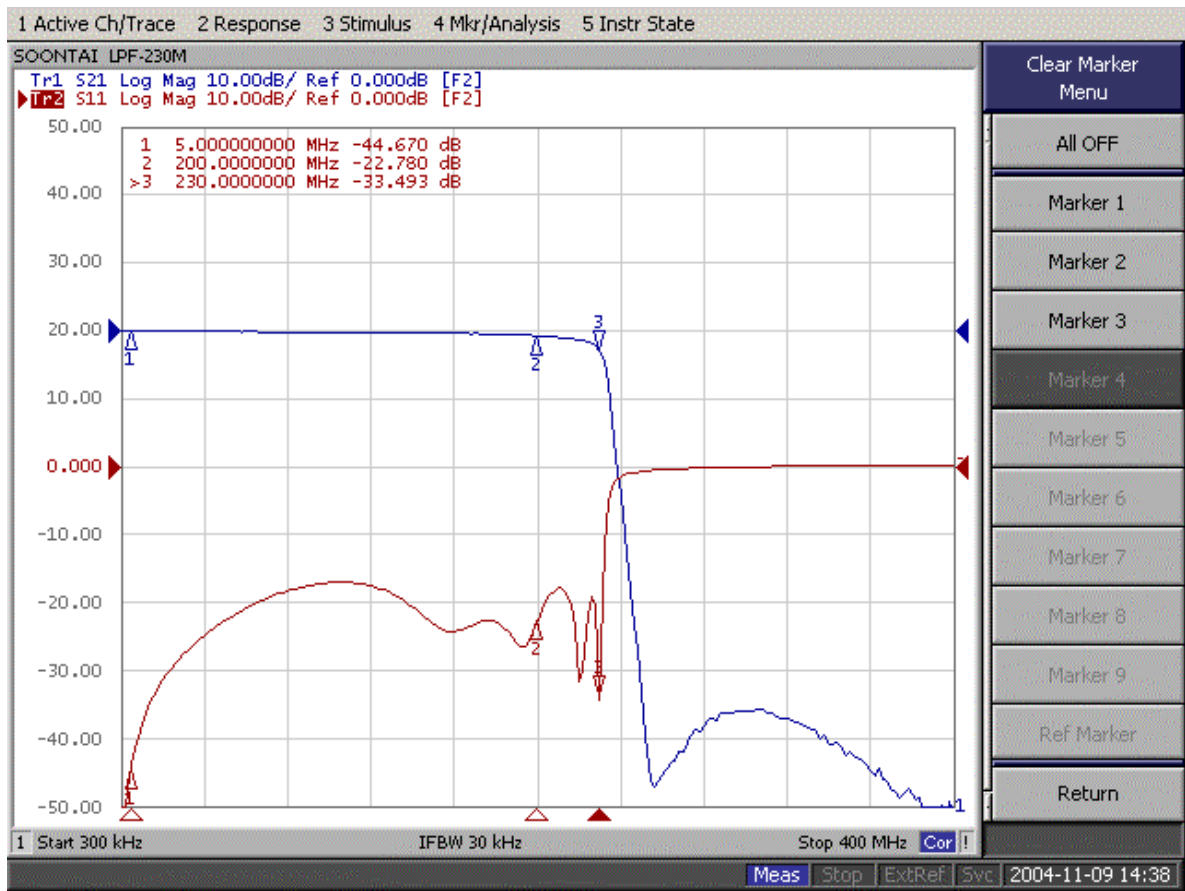


Fig. 2

|                  |                               |                |                   |
|------------------|-------------------------------|----------------|-------------------|
| <b>MODEL NO.</b> | LPF-230M Mini Low Pass Filter | <b>PREVIEW</b> | V1.0              |
| <b>CHECK</b>     | <b>ENGINEER</b>               | <b>DATE</b>    | <b>PAGE/TOTAL</b> |
| Dennis Duh       | Jacky Dai                     | NOV 9,2004     | 3 / 4             |

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## LPF-230M

Rejection

(Span: 1000MHz)

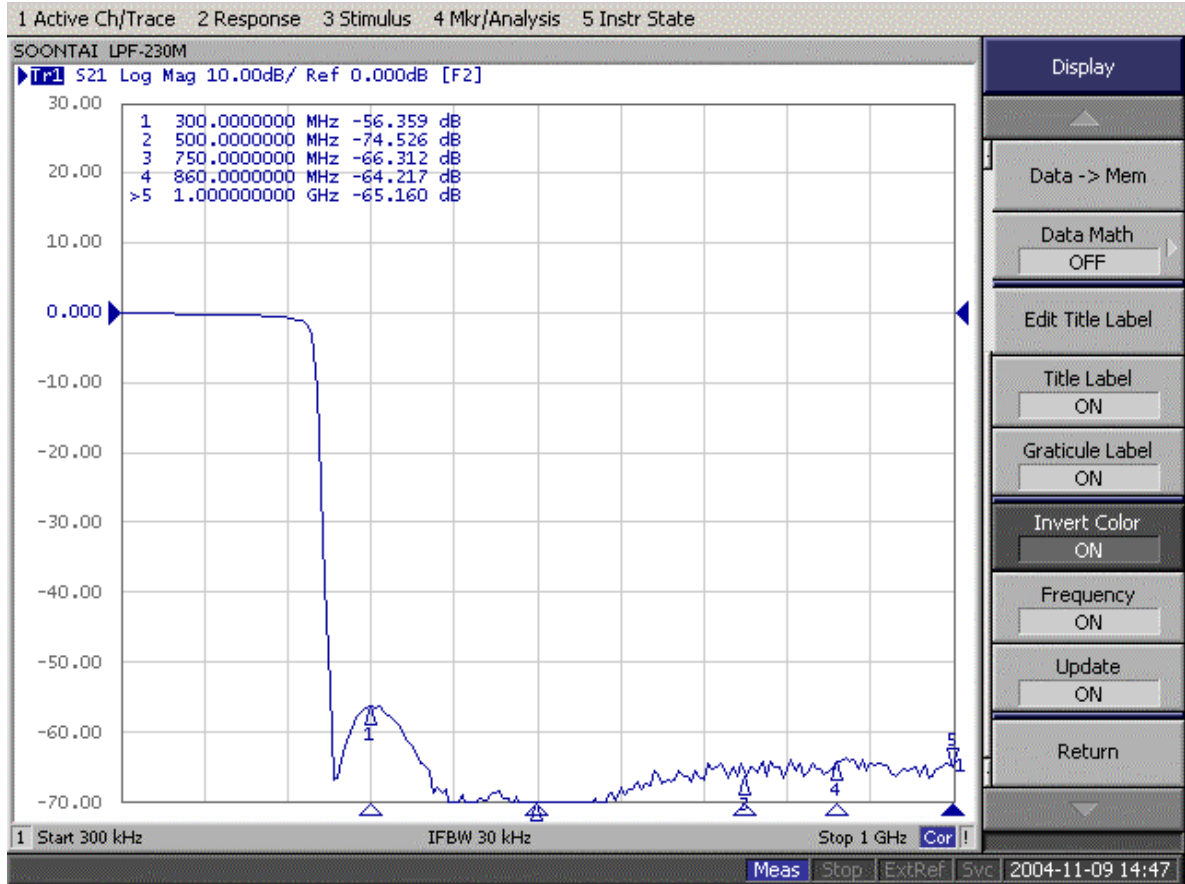


Fig. 3

|                  |                               |                |                   |
|------------------|-------------------------------|----------------|-------------------|
| <b>MODEL NO.</b> | LPF-230M Mini Low Pass Filter | <b>PREVIEW</b> | V1.0              |
| <b>CHECK</b>     | <b>ENGINEER</b>               | <b>DATE</b>    | <b>PAGE/TOTAL</b> |
| Dennis Duh       | Jacky Dai                     | NOV 9,2004     | 4 / 4             |