



SOONTAI TECH CO., LTD.

TEL: 886-6-2720168 FAX: 886-6-2719511
http://www.soontai.com.tw Email: soontai@ms9.hinet.net

Customer: TKI Chemnitz

Smp. No:

HPF-85MA MINI HIGH PASS FILTER SPECIFICATION (SAMPLE)



Label

CE HPF-85MA

ELECTRICAL SPECIFICATIONS

| ITEM | MIN | TYP | MAX | UNIT |
|---|---------|-----|-----|------|
| Frequency Range | 5~ 1000 | | | MHz |
| Impedance | 75 | | | Ω |
| Insertion Loss (85-110MHz) | | 1.0 | 1.5 | dB |
| Insertion Loss (111-1000MHz) | | 0.5 | 1.0 | dB |
| Return Loss (85-110MHz) | 12 | 16 | | dB |
| Return Loss (111-1000MHz) | 16 | 20 | | dB |
| Rejection (5-65MHz) | 40 | 45 | | dB |
| Screening efficiency meets EN 50083-2 Class A standard. | | | | |

MECHANICAL SPECIFICATIONS

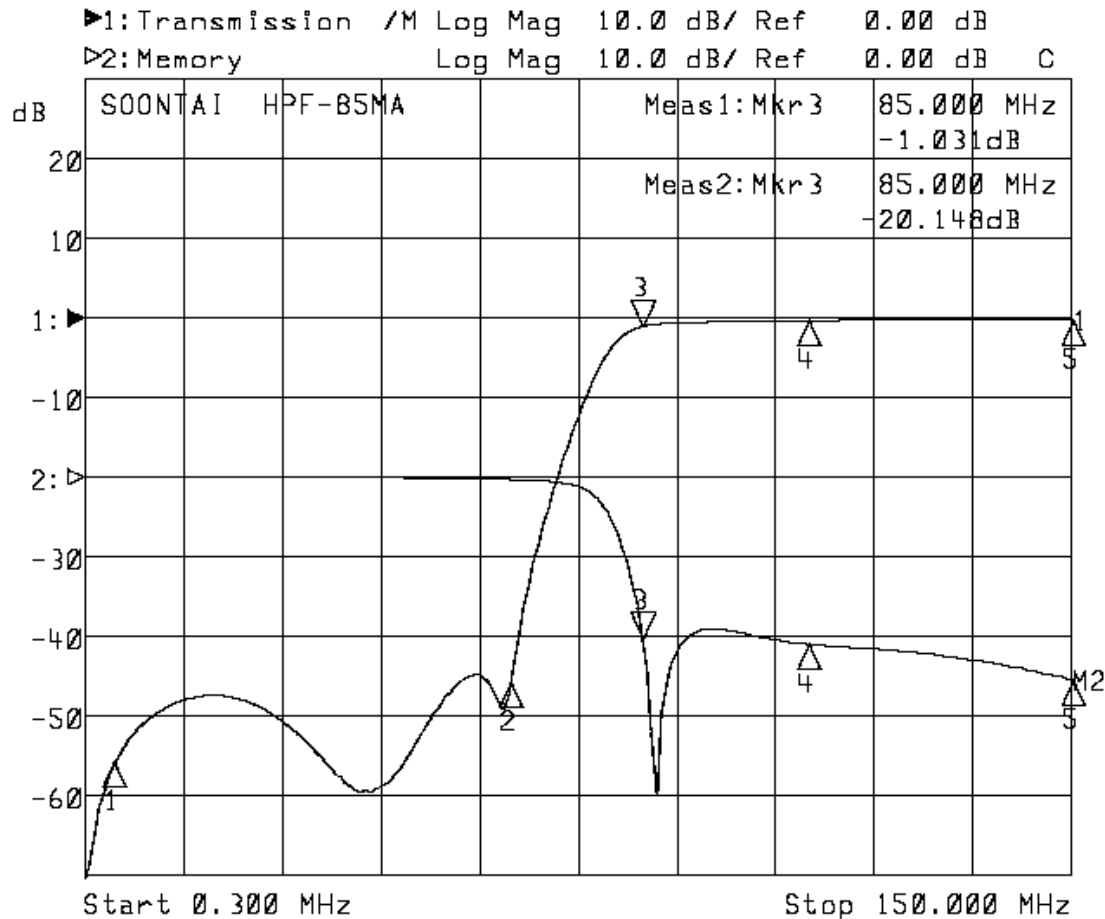
| ITEM | DESCRIPTION | UNIT |
|------------------------|--------------------------------|------|
| Housing Material | Copper | |
| Waterproof | Yes | |
| Connector | 750 , Male and Female "F" type | |
| Connector Screw Thread | 3/8"-32UNF | inch |
| Dimensions | 13×40.5 | mm |
| Net Weight | 18 | g |

| | | | |
|----------------------|--------------------------------|--------------------|------------|
| MODEL NO. | HPF-85MA Mini High Pass Filter | Sample Q'TY | 2 |
| APPROVE | CHECK | ENGINEER | PAGE/TOTAL |
| Jacky Dai...20060615 | Peter Pan...20060615 | Rock Li...20060615 | 1 / 3 |

HPF-85MA

Insertion Loss, Return Loss and Rejection

Span: 150MHz



| 1: Mkr (MHz) | dB | 2: Mkr (MHz) | dB |
|--------------|---------|--------------|---------|
| 1: 5.0000 | -55.797 | | |
| 2: 65.0000 | -45.719 | | |
| 3> 85.0000 | -1.031 | 3> 85.0000 | -20.148 |
| 4: 110.0000 | -0.371 | 4: 110.0000 | -21.014 |
| 5: 150.0000 | -0.175 | 5: 150.0000 | -25.420 |

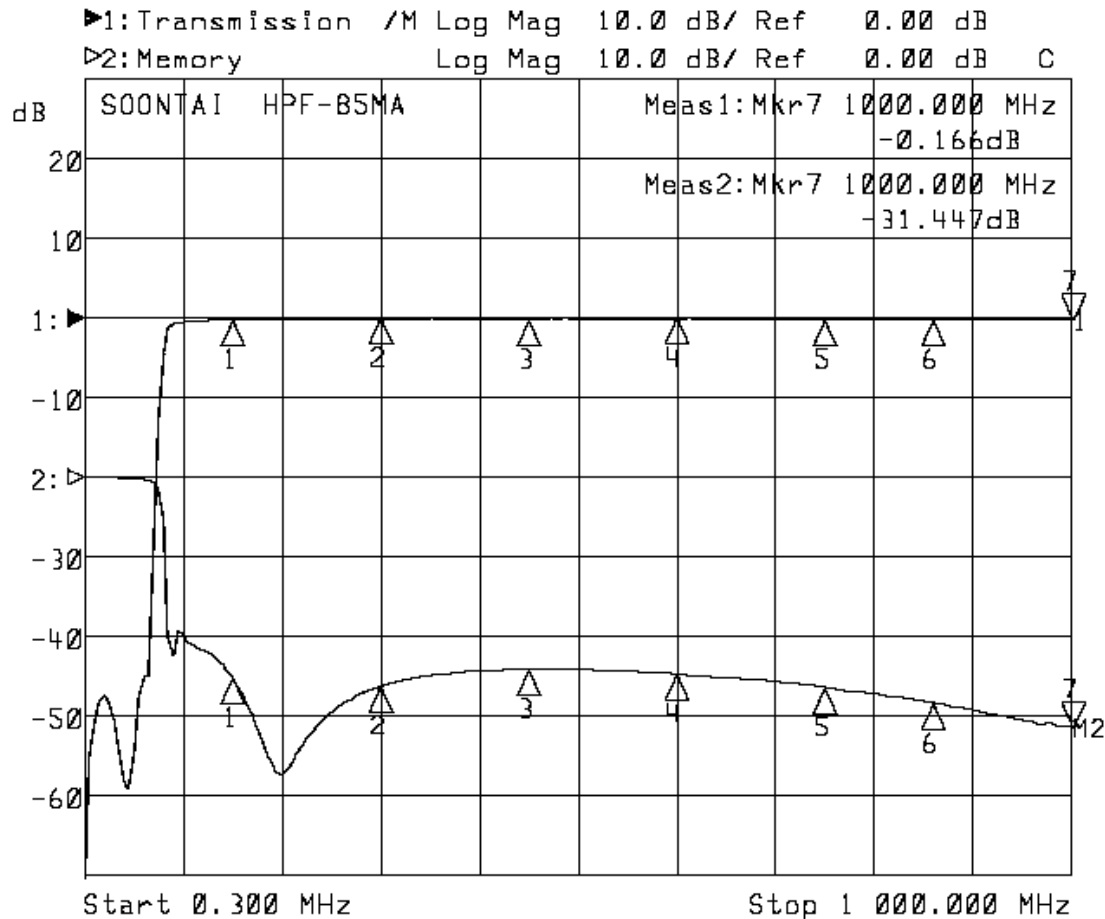
Fig.1

| | | | |
|----------------------|--------------------------------|--------------------|------------|
| MODEL NO. | HPF-85MA Mini High Pass Filter | Sample Q'TY | 2 |
| APPROVE | CHECK | ENGINEER | PAGE/TOTAL |
| Jacky Dai...20060615 | Peter Pan...20060615 | Rock Li...20060615 | 2 / 3 |

HPF-85MA

Insertion Loss and Return Loss

Span: 1000MHz



| 1: Mkr (MHz) | dB | 2: Mkr (MHz) | dB |
|--------------|--------|--------------|---------|
| 1: 150.0000 | -0.216 | 1: 150.0000 | -25.182 |
| 2: 300.0000 | -0.119 | 2: 300.0000 | -26.247 |
| 3: 450.0000 | -0.132 | 3: 450.0000 | -24.136 |
| 4: 600.0000 | -0.116 | 4: 600.0000 | -24.775 |
| 5: 750.0000 | -0.177 | 5: 750.0000 | -26.427 |
| 6: 860.0000 | -0.169 | 6: 860.0000 | -28.386 |
| 7> 1000.0000 | -0.166 | 7> 1000.0000 | -31.447 |

Fig.2

| | | | |
|----------------------|--------------------------------|--------------------|------------|
| MODEL NO. | HPF-85MA Mini High Pass Filter | Sample Q'TY | 2 |
| APPROVE | CHECK | ENGINEER | PAGE/TOTAL |
| Jacky Dai...20060615 | Peter Pan...20060615 | Rock Li...20060615 | 3 / 3 |