

The wise choice



Micro-Tronics

for all your filter needs

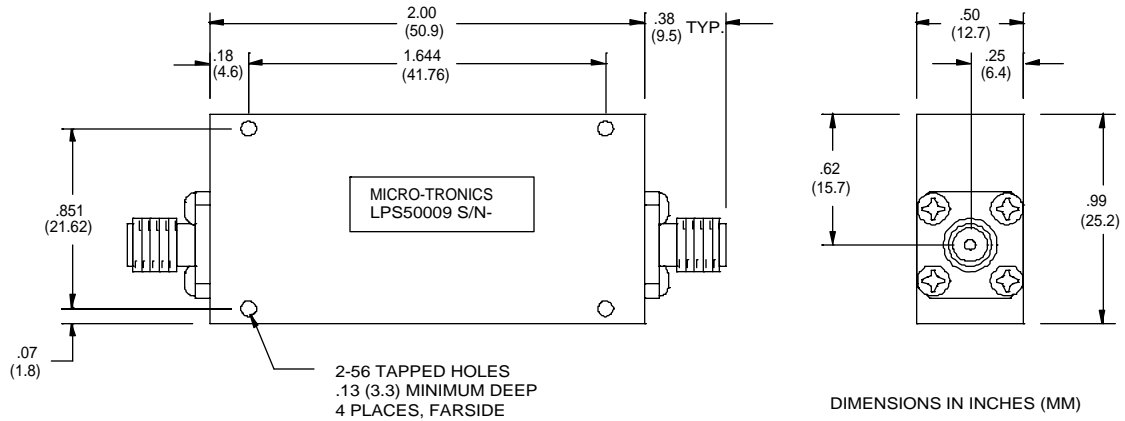
Micro-Tronics is an operating division of O.M. Jones, Inc.

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-Model LPS50009



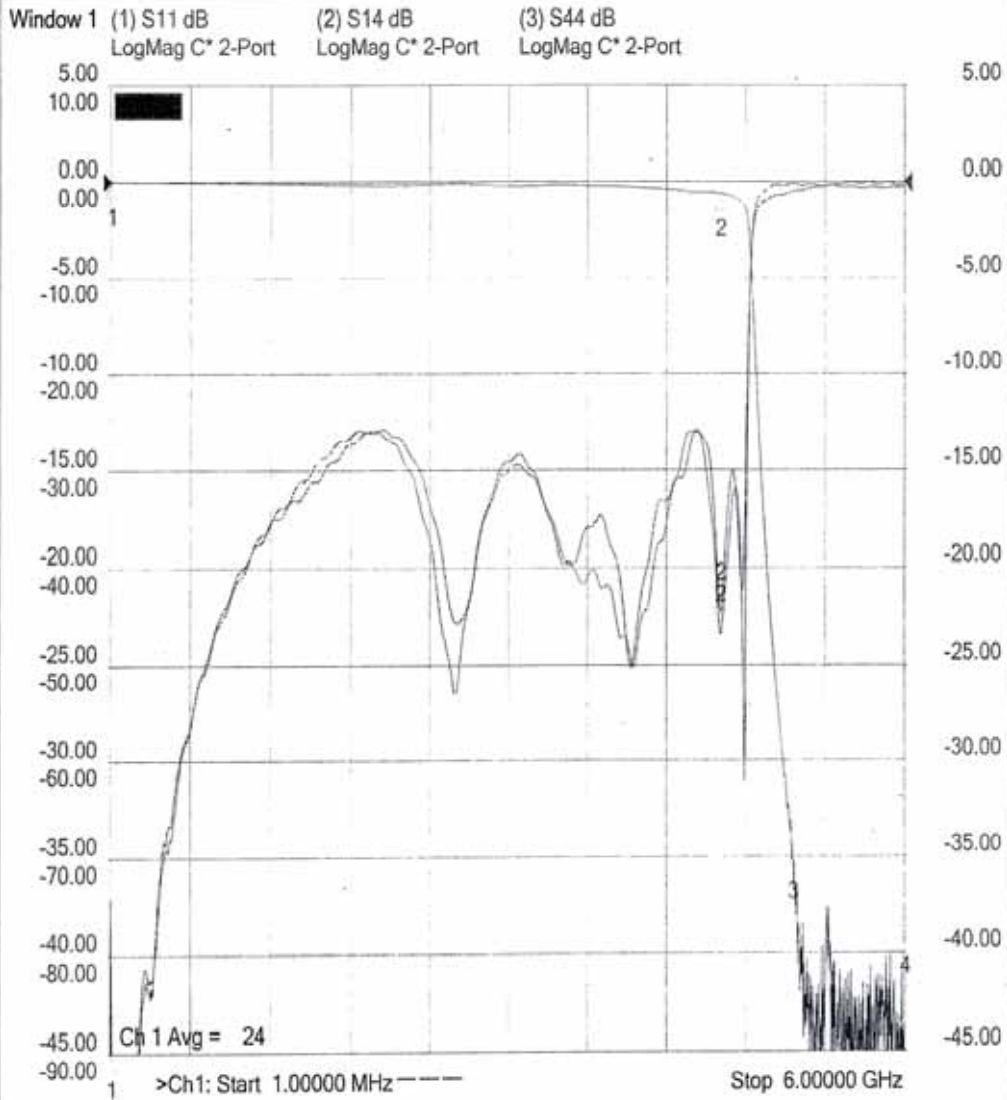
Micro-Tronics Model LPS50009 was specifically designed to pass DC to 4600 MHz and reject the 5150-5850 MHz UNII band, while maintaining low insertion loss and a broad upper stopband. The basic lowpass filter design can also be adapted to custom applications.

| Specifications: | |
|--------------------------|------------------------------|
| Passband (MHz) | 0 to 4600 |
| Passband Insertion Loss: | 1.5 dB maximum |
| Passband VSWR: | 2.0:1 maximum |
| Stopband: | 55 dB min from 5150 to 16000 |
| Operating Power: | 2W max |

Connectors:

Model #:

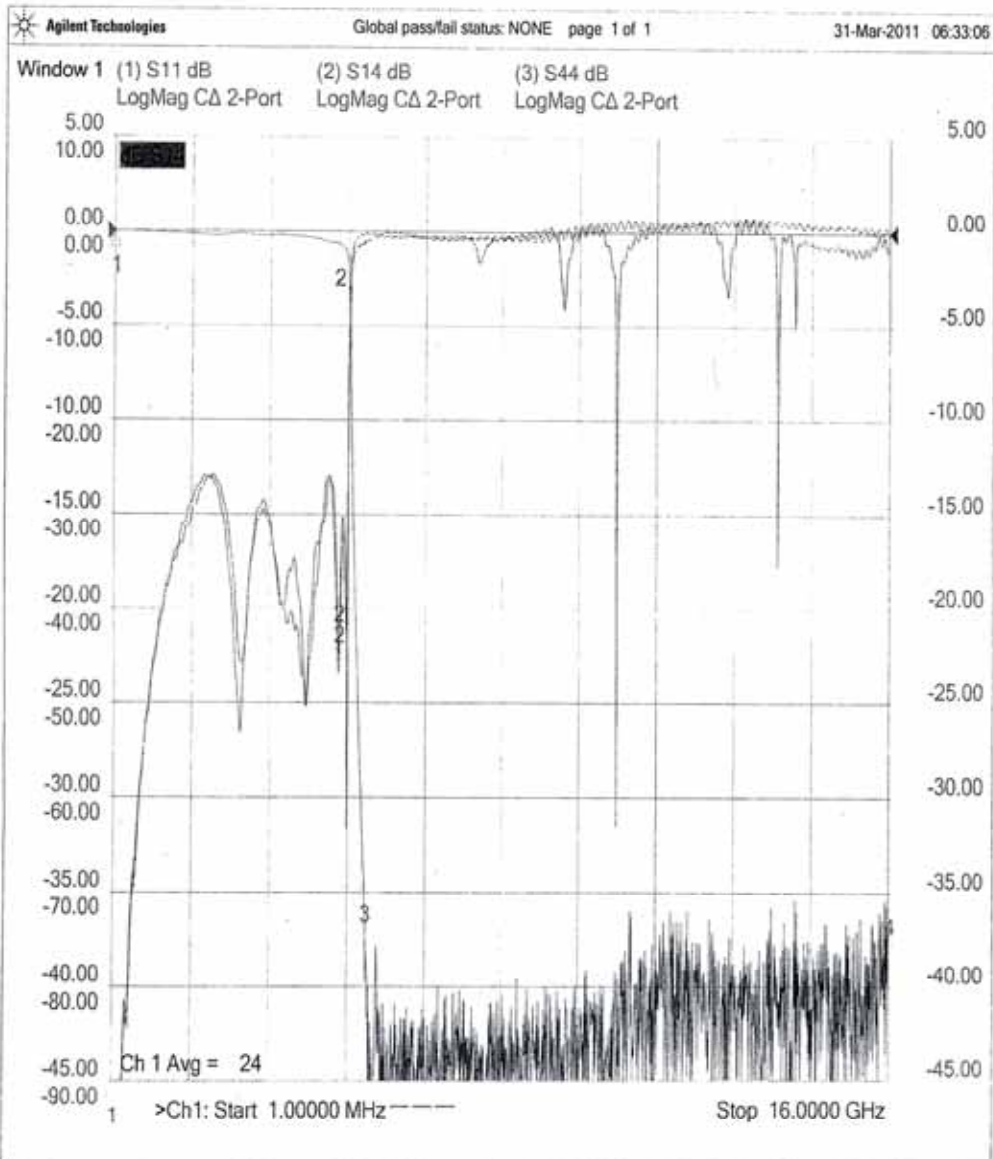
| | |
|--------------|-------------------------|
| LPS50009: | SMA Female – SMA Female |
| LPS50009-01: | SMA Male – SMA Female |
| LPS50009-02: | SMA Female – SMA Male |
| LPS50009-03: | SMA Male – SMA Male |



| Channel Settings | | | | | | | | | | |
|------------------|------------|--------|-------------|------------|-------------|----------------|-------------|-------------|-------------|-------------|
| Channel | Sweep Type | Points | Start (MHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (s) | Pow 1 (dBm) | Pow 2 (dBm) | Pow 3 (dBm) | Pow 4 (dBm) |
| 1 | LinFreq | 1601 | 1.000000 | 6.000000 | 100.000000 | 0.024455 | 3.000000 | 3.000000 | 3.000000 | 3.000000 |

| Trace Attributes | | | | | | | | | |
|------------------|----|-------|---------|------------|---------|--------|----------|------------|------------|
| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response | |
| 1 | 1 | S11 | 1 | C* 2-Port | | 1 | 1 MHz | -46.330 dB | |
| | | | | | | | 4600 MHz | -22.922 dB | |
| | | | | | | | 2 | 4600 MHz | -1.2174 dB |
| | | | | | | | 3 | 5150 MHz | -69.869 dB |
| | | | | | | 4 | 6000 MHz | -84.420 dB | |
| | | | | | | | | | |
| 3 | 3 | S44 | 1 | C* 2-Port | | 1 | 1 MHz | -48.131 dB | |
| | | | | | | | 2 | 4600 MHz | -21.800 dB |

LPS50009 PERFORMANCE DATA



| Channel Settings | | | | | | | | | | | |
|------------------|------------|--------|-------------|------------|-------------|----------------|-------------|-------------|-------------|-------------|--|
| Channel | Sweep Type | Points | Start (MHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (s) | Pow 1 (dBm) | Pow 2 (dBm) | Pow 3 (dBm) | Pow 4 (dBm) | |
| 1 | LinFreq | 1601 | 1.000000 | 16.000000 | 100.000000 | 0.024455 | 3.000000 | 3.000000 | 3.000000 | 3.000000 | |
| Trace Attributes | | | | | | | | | | | |
| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response | | | |
| 1 | 1 | S11 | 1 | CA 2-Port | | 1 | 1 MHz | -46.316 dB | | | |
| | | | | | | 2 | 4600 MHz | -22.956 dB | | | |
| | | | | | | 3 | 5150 MHz | -68.680 dB | | | |
| | | | | | | 4 | 16000 MHz | -76.742 dB | | | |
| -3 | 3 | S44 | 1 | CA 2-Port | | 1 | 1 MHz | -48.090 dB | | | |
| | | | | | | 2 | 4600 MHz | -21.861 dB | | | |

LPS50009 PERFORMANCE DATA