

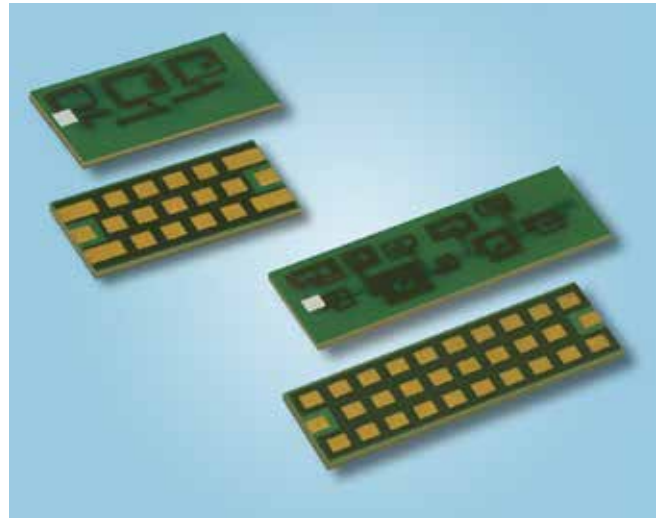
ATC LPF Series Multilayer Organic Low Pass Filters

Features:

- Sharp Cut-off Response
- Low Insertion Loss
- Excellent Stopband Rejection
- Characteristic Impedance: 50Ω
- Operating Temperature: -55°C to +85°C
- Low Profile LGA SMT
- Pb Free / RoHS Compliant

ATC's LPF Multilayer Organic (MLO) Series Low Pass Filters offer superb performance in a low profile package. This filter Series offers excellent stopband rejection and low passband insertion loss. They are designed to exhibit a 50 ohm input and output characteristic impedance, thereby eliminating the need for elaborate matching networks. Their superb performance makes them well suited for the most demanding RF and microwave frequency applications.

The LPF MLO filter Series are supplied in tape and reel making them fully compatible with high speed automated pick-and-place manufacturing.



Applications:

- Wireless Communications (Cellular and PCS)
- Wireless LAN's
- Public Safety Radio (P25)
- LTE
- ISM
- Global Navigation Satellite Systems (GNSS)



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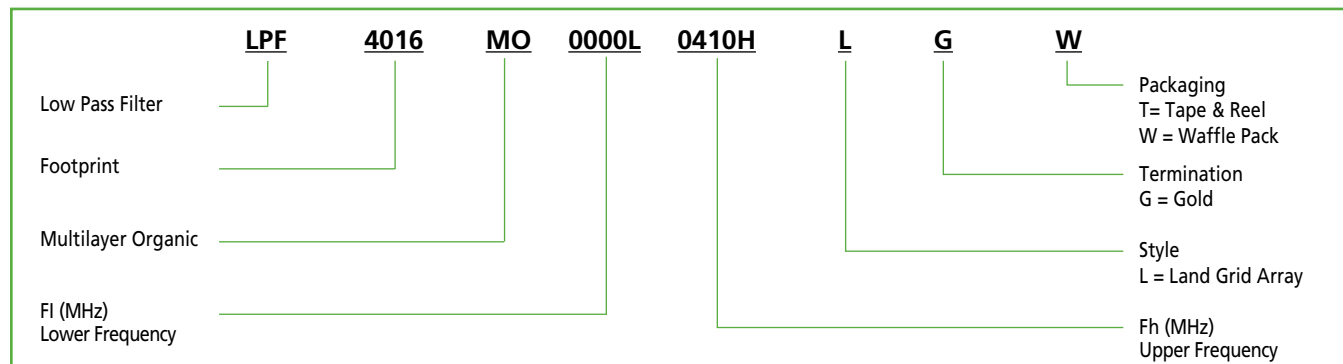
ATC LPF SERIES MULTILAYER ORGANIC LOW PASS FILTERS

MLO Filter Configurations

ATC Part Number	Passband (MHz)	Power (W)	Footprint
LPF2616MO0000L1610HLG	0 to 1610	4	2616
LPF2616MO0000L2300HLG	0 to 2300	4	2616
LPF2616MO0000L3160HLG	0 to 3160	4	2616
LPF2616MO0000L4370HLG	0 to 4370	4	2616
LPF2616MO0000L6160HLG	0 to 6160	4	2616
LPF3116MO0000L0790HLG	0 to 790	4	3116
LPF3116MO0000L0960HLG	0 to 960	4	3116
LPF3116MO0000L1010HLG	0 to 1010	4	3116
LPF3116MO0000L1030HLG	0 to 1030	4	3116
LPF3116MO0000L1220HLG	0 to 1220	4	3116
LPF3116MO0000L1330HLG	0 to 1330	4	3116
LPF3116MO0000L1390HLG	0 to 1390	4	3116
LPF3416MO0000L0550HLG	0 to 550	4	3416
LPF4016MO0000L0410HLG	0 to 410	4	4016
LPF4016MO0000L1780HLG	0 to 1780	4	4016
LPF4016MO0000L1800HLG	0 to 1800	4	4016
LPF4016MO0000L1810HLG	0 to 1810	4	4016
LPF4016MO0000L1840HLG	0 to 1840	4	4016
LPF4016MO0000L1880HLG	0 to 1880	4	4016
LPF4016MO0000L1890HLG	0 to 1890	4	4016
LPF4016MO0000L1950HLG	0 to 1950	4	4016
LPF4016MO0000L2100HLG	0 to 2100	4	4016
LPF4016MO0000L2140HLG	0 to 2140	4	4016
LPF4016MO0000L2160HLG	0 to 2160	4	4016
LPF4016MO0000L2190HLG	0 to 2190	4	4016
LPF4016MO0000L2200HLG	0 to 2200	4	4016
LPF4016MO0000L2210HLG	0 to 2210	4	4016
LPF4016MO0000L2260HLG	0 to 2260	4	4016
LPF5021MO0000L0600HLG	0 to 600	4	5021

Note: Add Packaging Code to end of Part Number.

ATC Part Number Code



The above part number refers to a Low Pass Filter, (size 4016), Multilayer Organic, Passband DC to 410 MHz, Land Grid Array, Gold Termination, Waffle Pack

ATC accepts orders for our parts using designations *with* or *without* the "ATC" prefix. Both methods of defining the part number are equivalent, i.e., part numbers referenced with the "ATC" prefix are interchangeable to parts referenced without the "ATC" prefix. Customers are free to use either in specifying or procuring parts from American Technical Ceramics.

For additional information and catalogs contact your ATC representative or call direct at +1-631-622-4700.

Consult factory for additional performance data.



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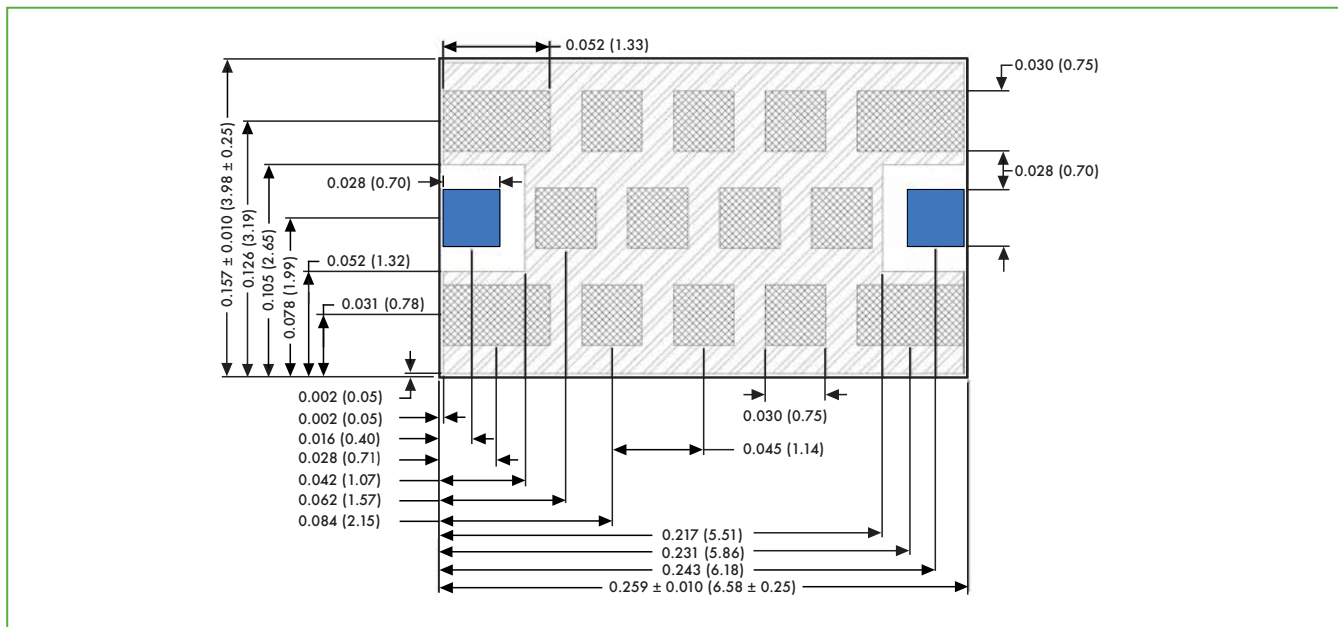


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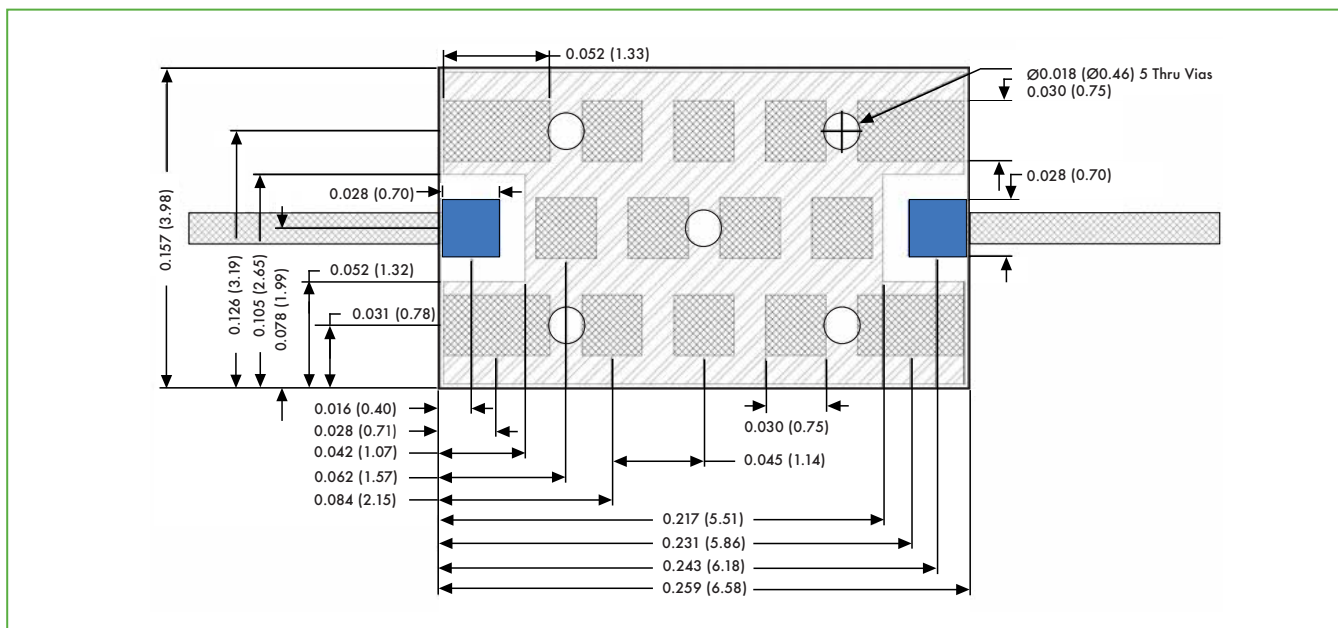
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Mechanical Configurations Footprint 2616



Suggested Pad Layout



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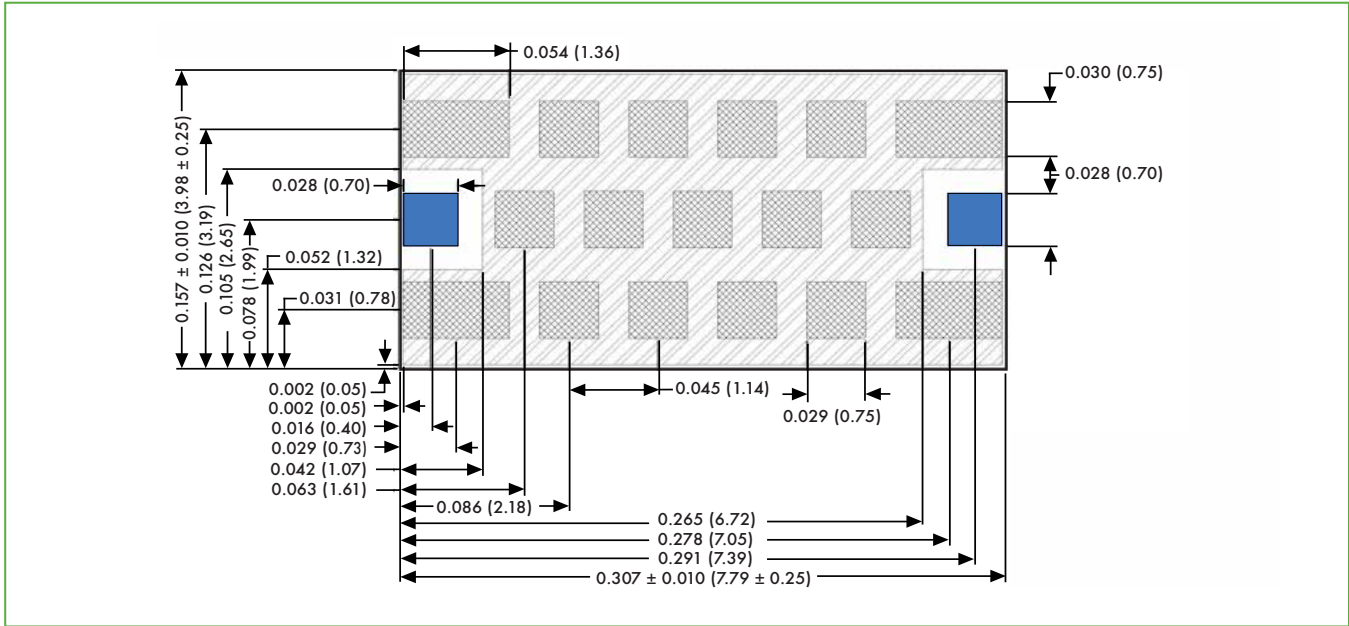


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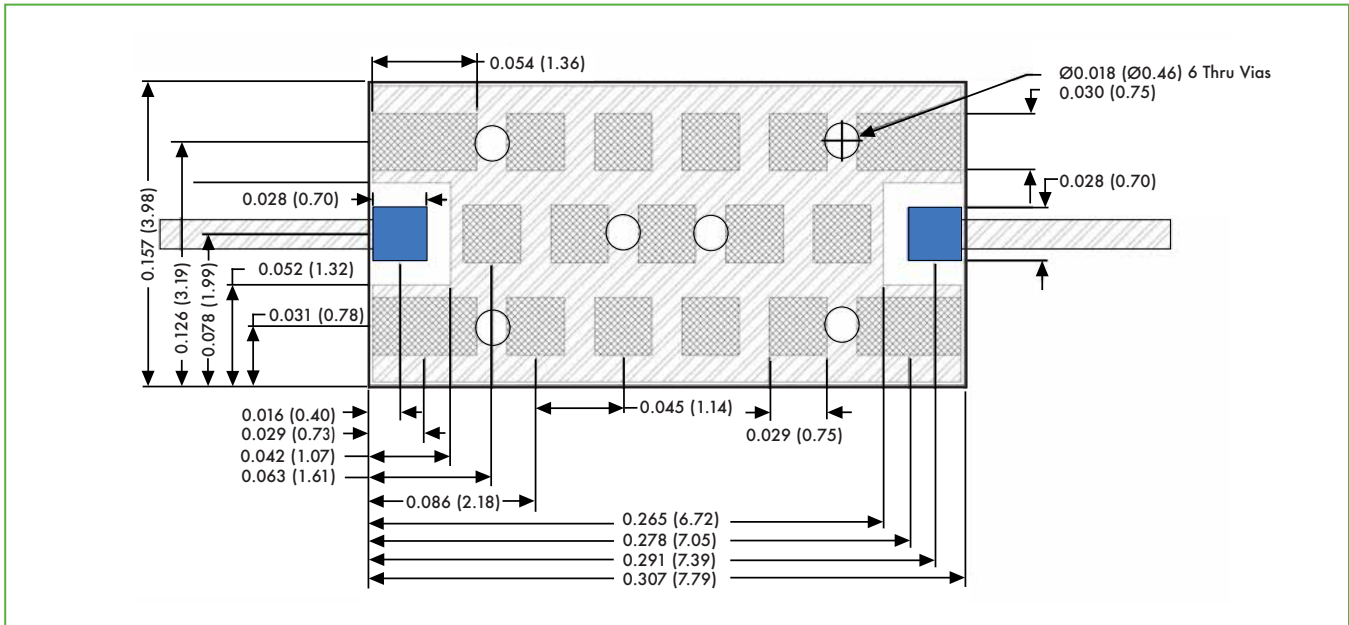
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Mechanical Configurations Footprint 3116



Suggested Pad Layout



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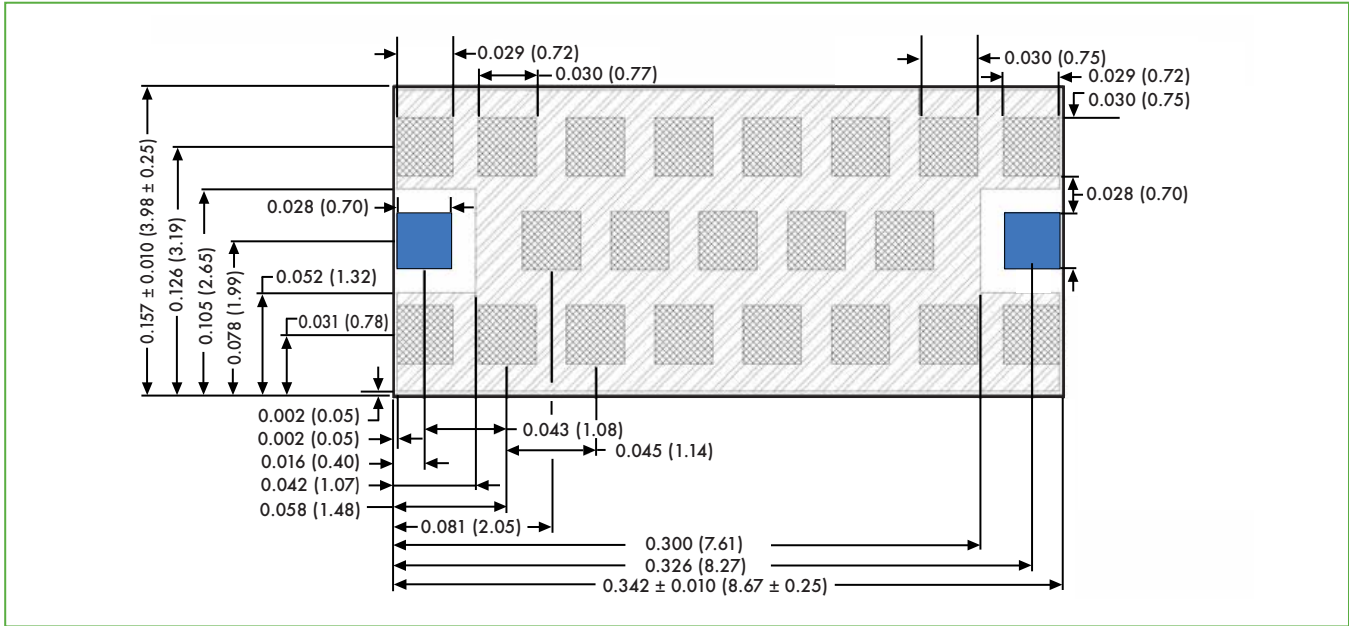


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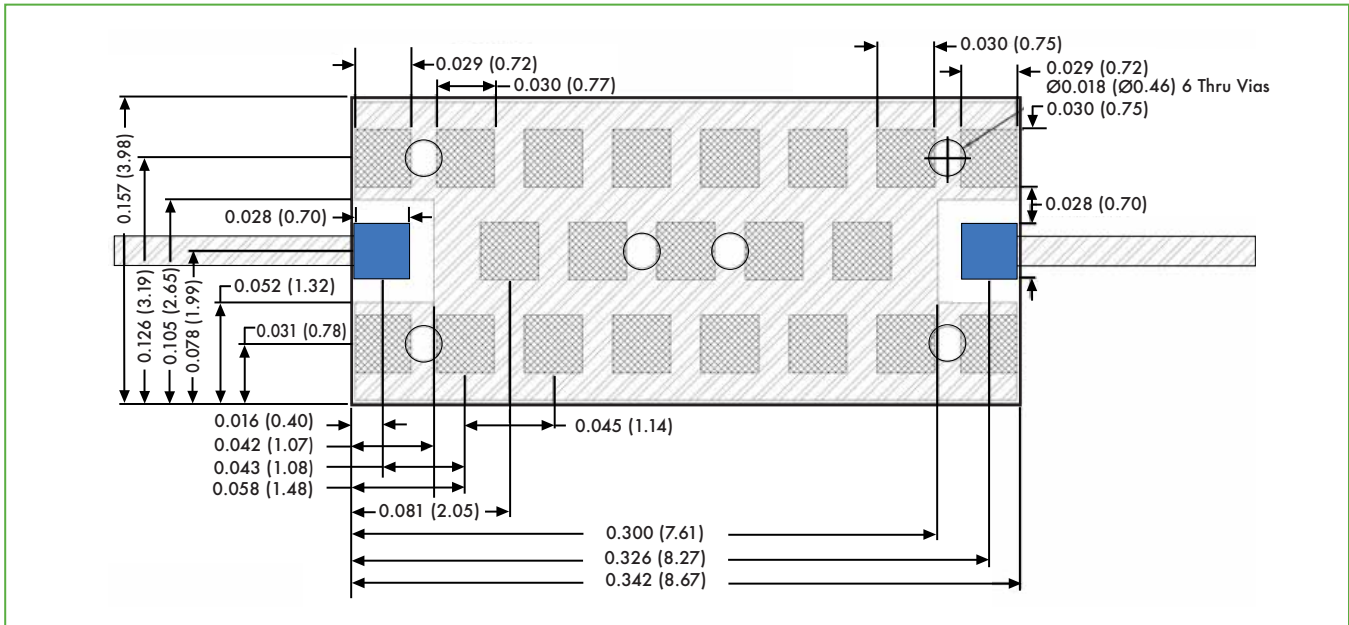
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Mechanical Configurations Footprint 3416



Suggested Pad Layout



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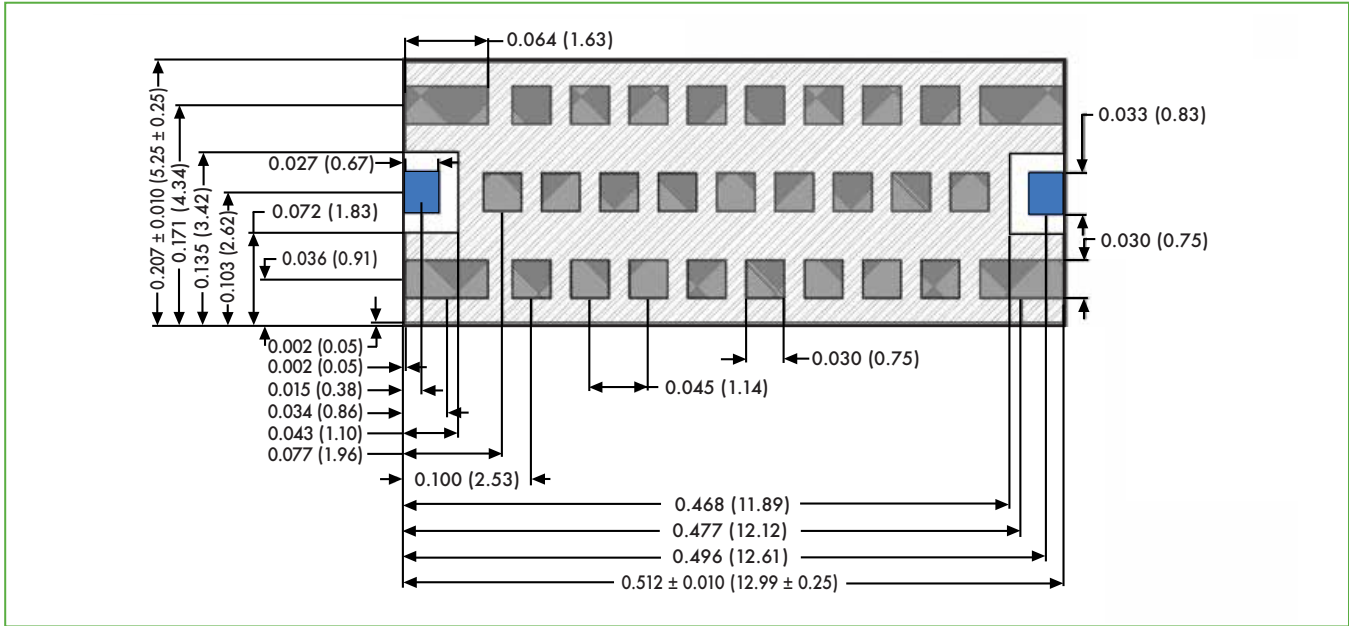
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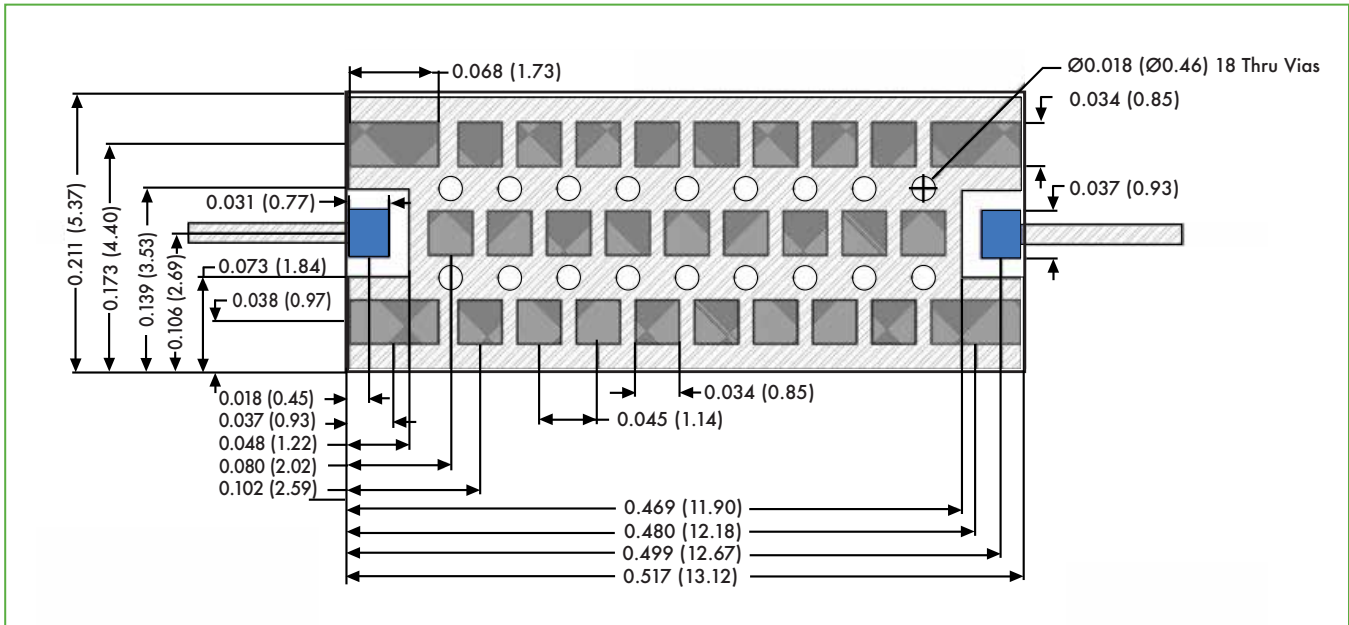
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Mechanical Configurations Footprint 5021



Suggested Pad Layout



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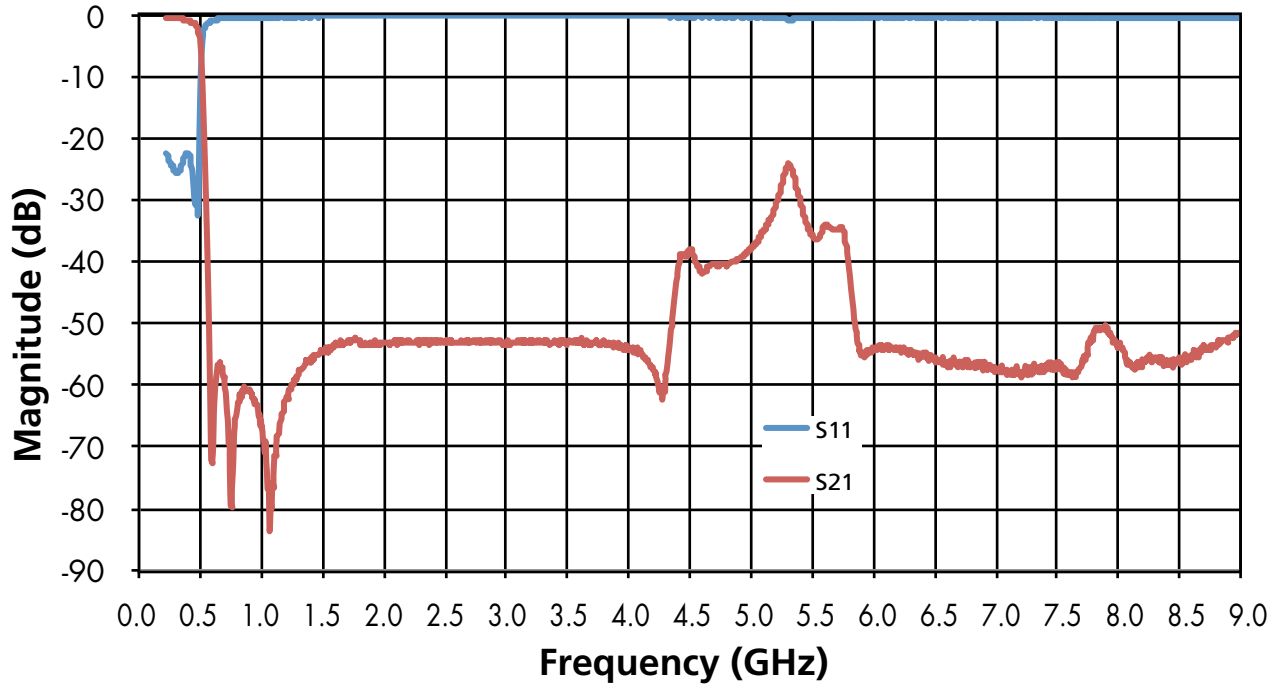


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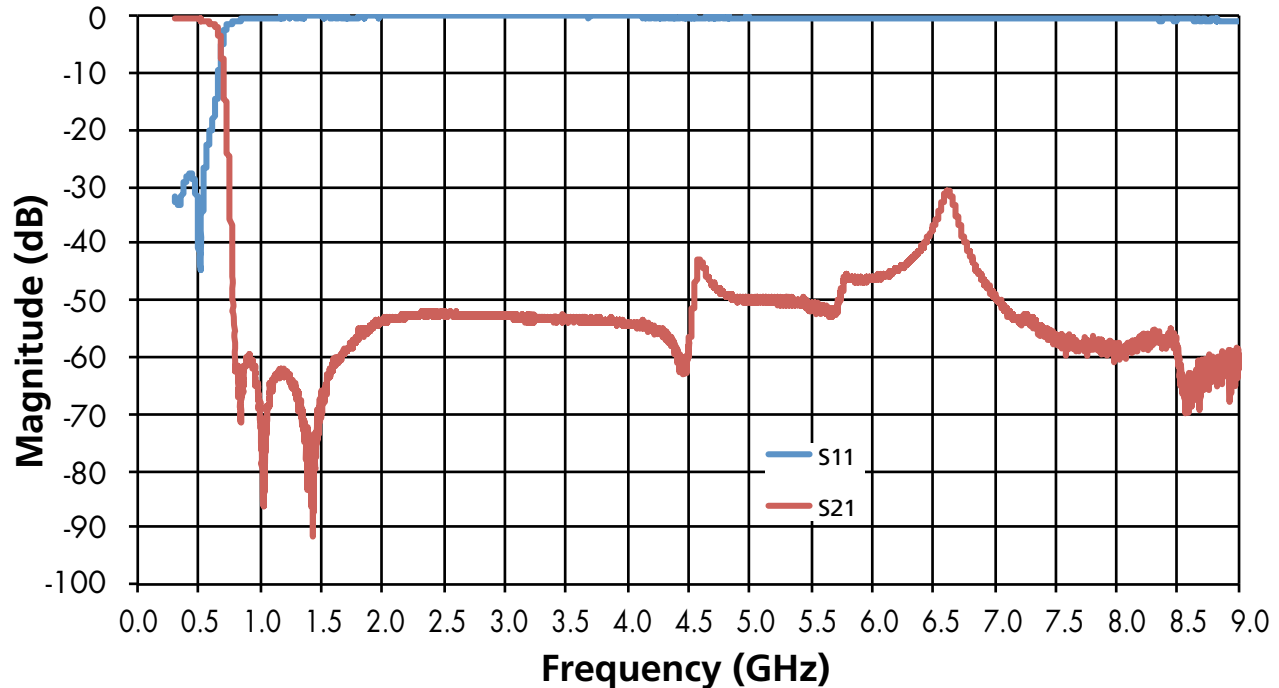
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LPF4016MO0000L0410HLGW
Passband 0 to 410 MHz



LPF3416MO0000L0550HLGW
Passband 0 to 550 MHz



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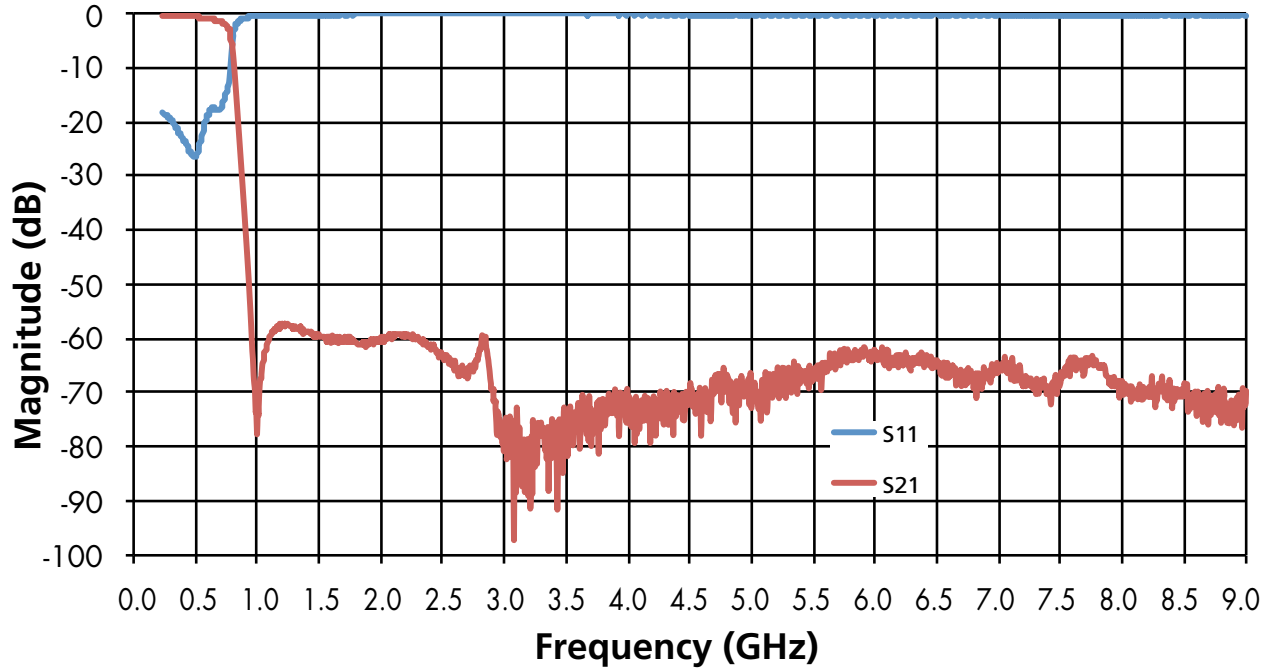
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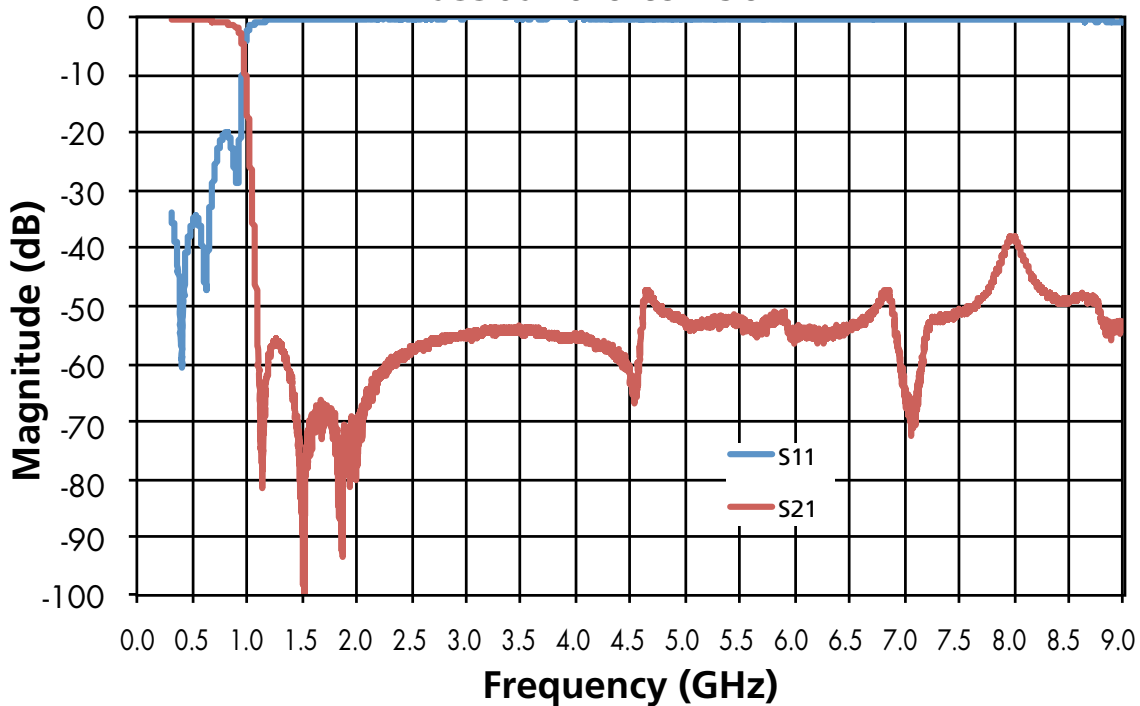


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LPF5021MO0000L0600HLGW
Passband 0 to 600 MHz



LPF3116MO0000L0790HLGW
Passband 0 to 790 MHz



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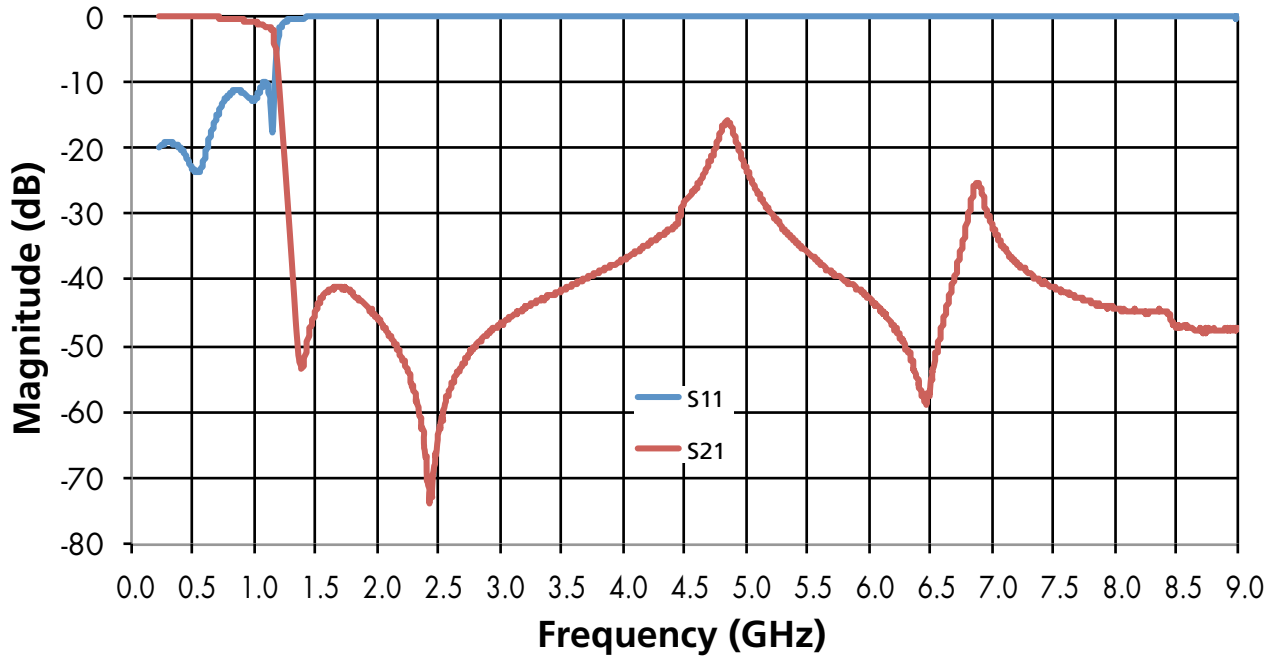


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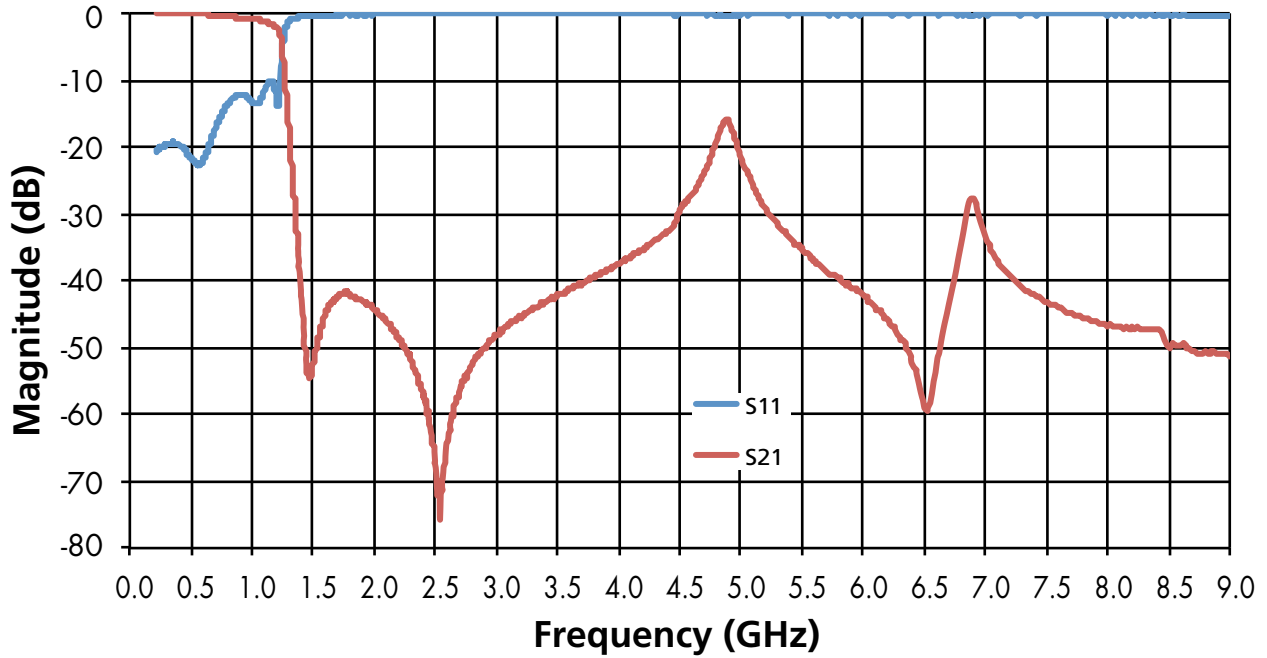
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LPF3116MO0000L0960HLGW
Passband 0 to 960 MHz



LPF3116MO0000L1010HLGW
Passband 0 to 1010 MHz



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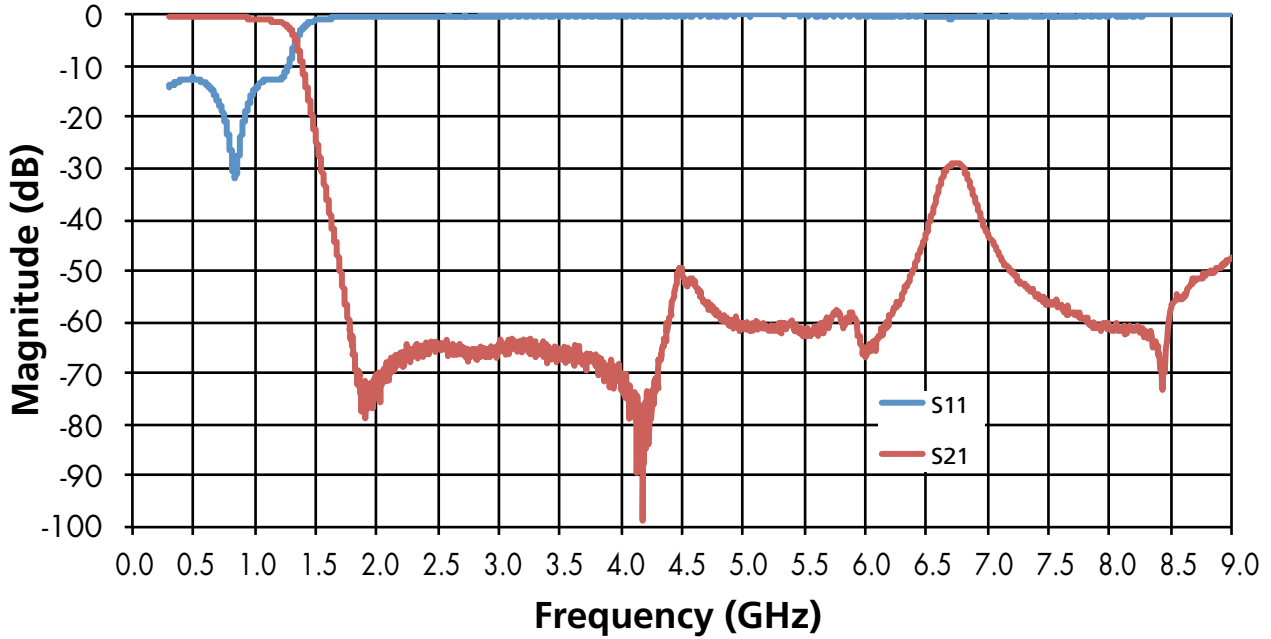
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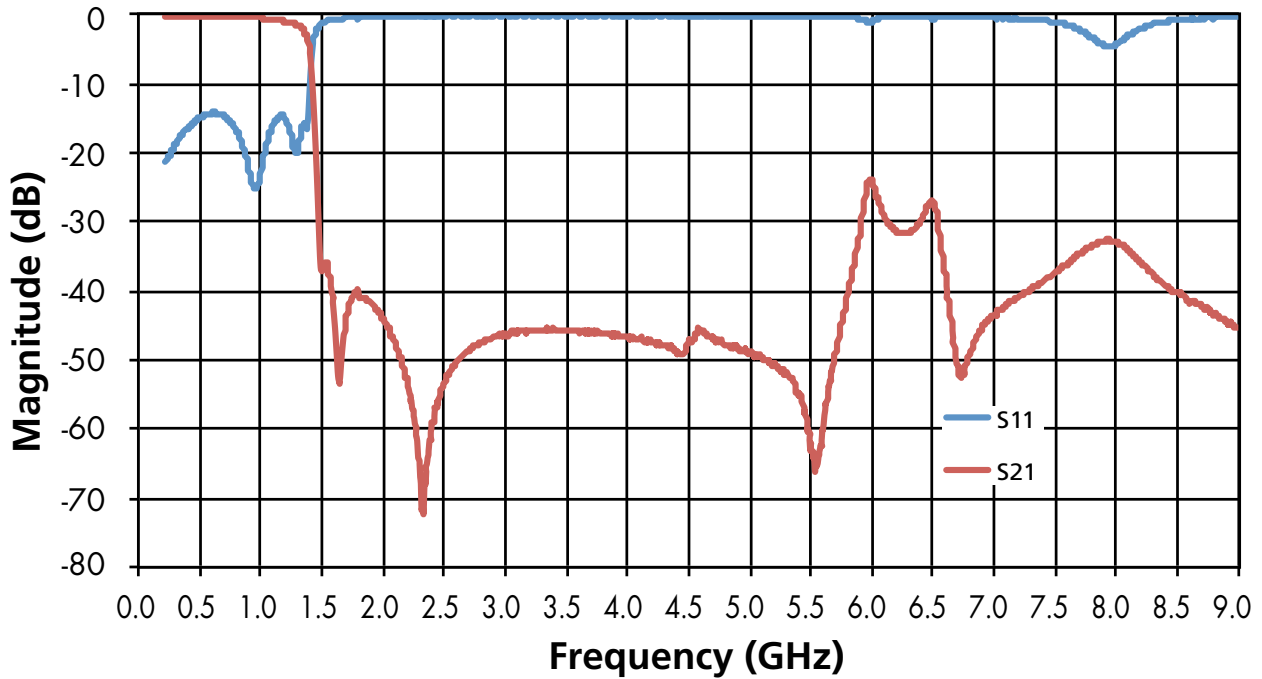


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LPF3116MO0000L1030HLGW
Passband 0 to 1030 MHz



LPF3116MO0000L1220HLGW
Passband 0 to 1220 MHz



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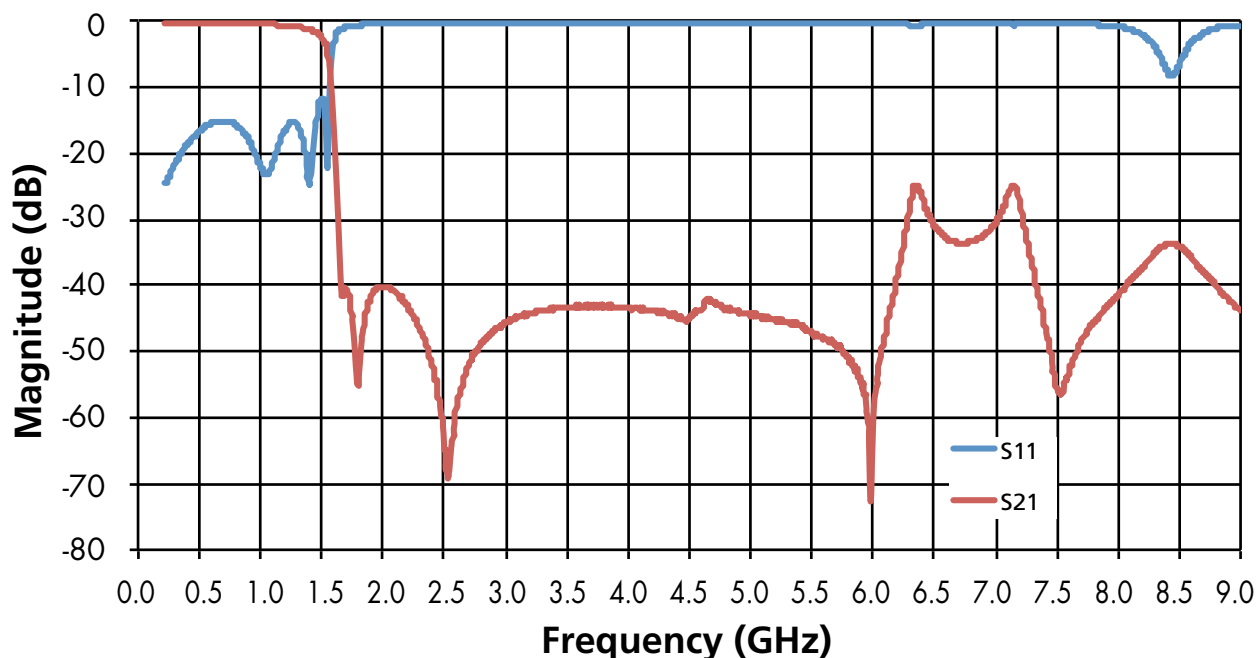


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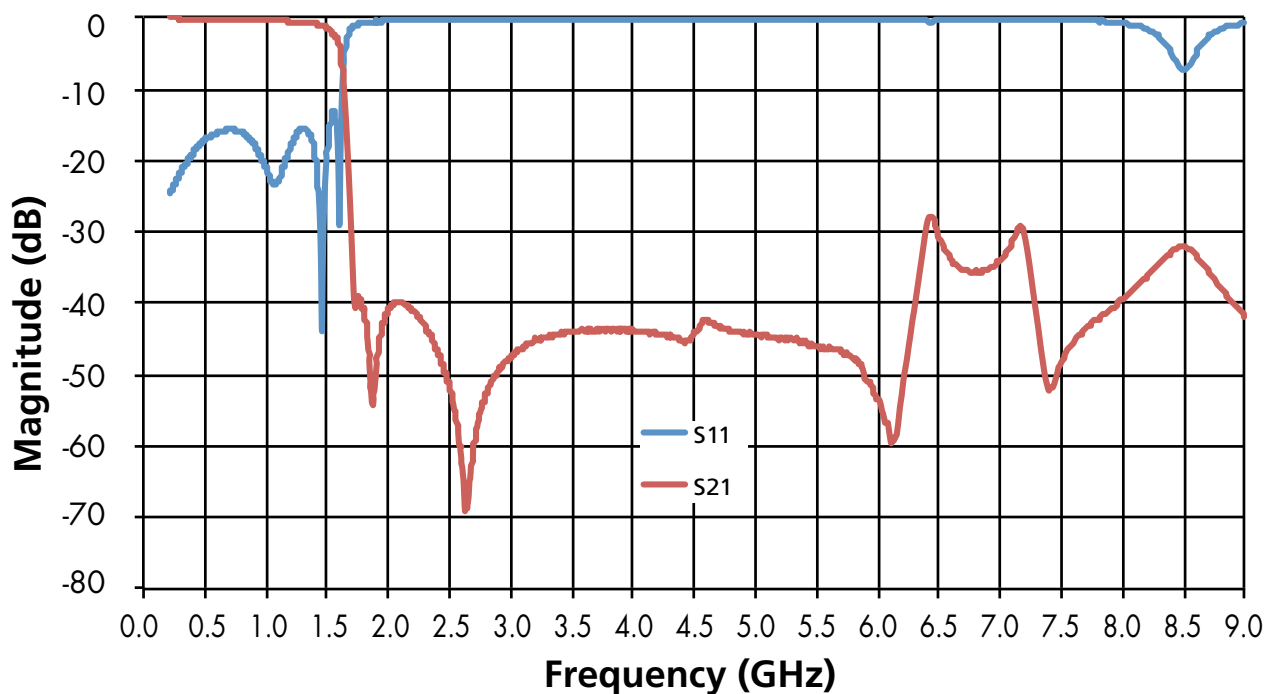
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LPF3116MO0000L1330HLGW
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LPF3116MO0000L1390HLGW
Passband 0 to 1390 MHz



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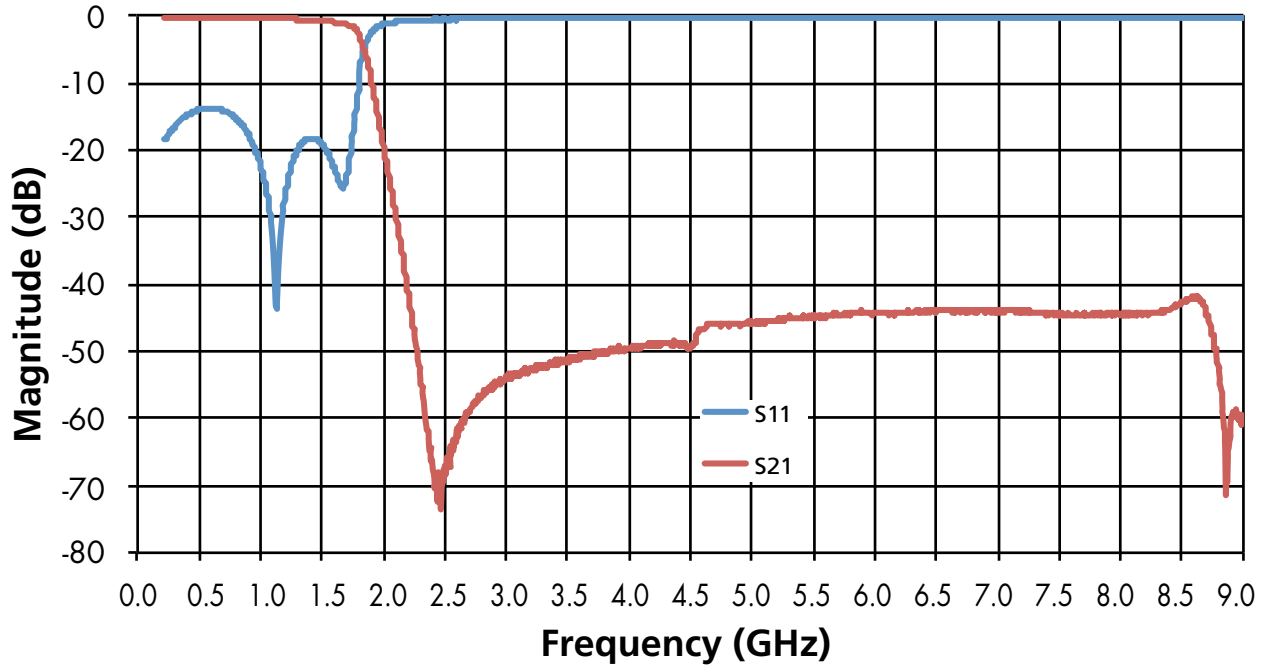


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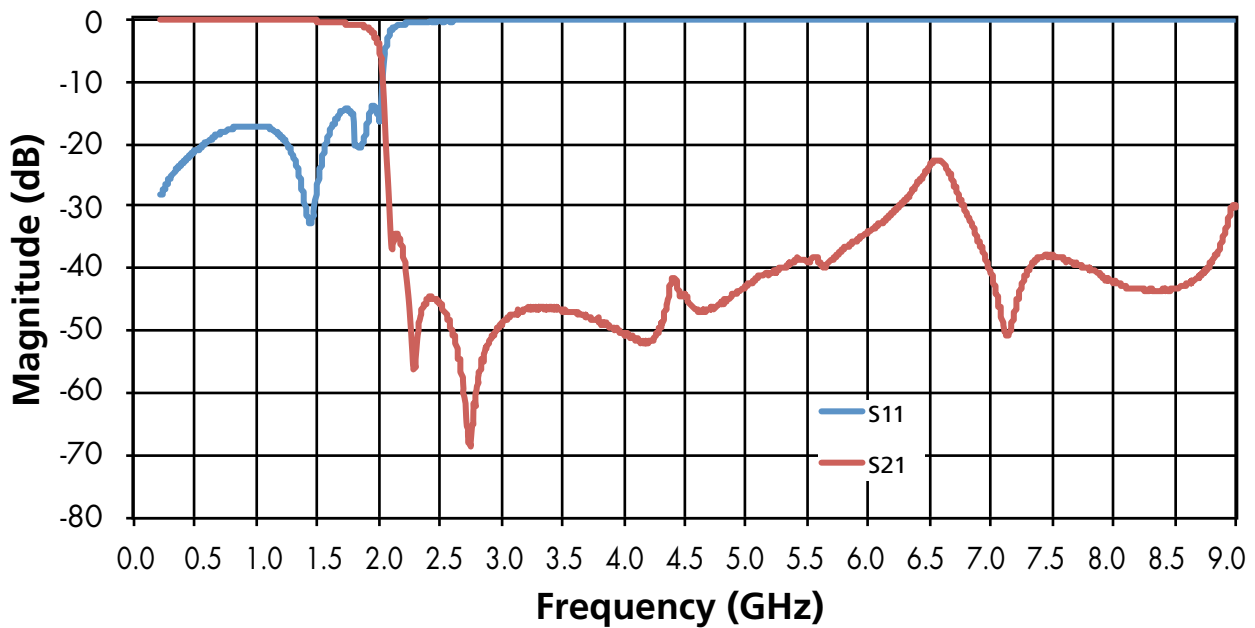
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LPF2616MO0000L1610HLGW
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LPF4016MO0000L1780HLGW
 Passband 0 to 1780 MHz



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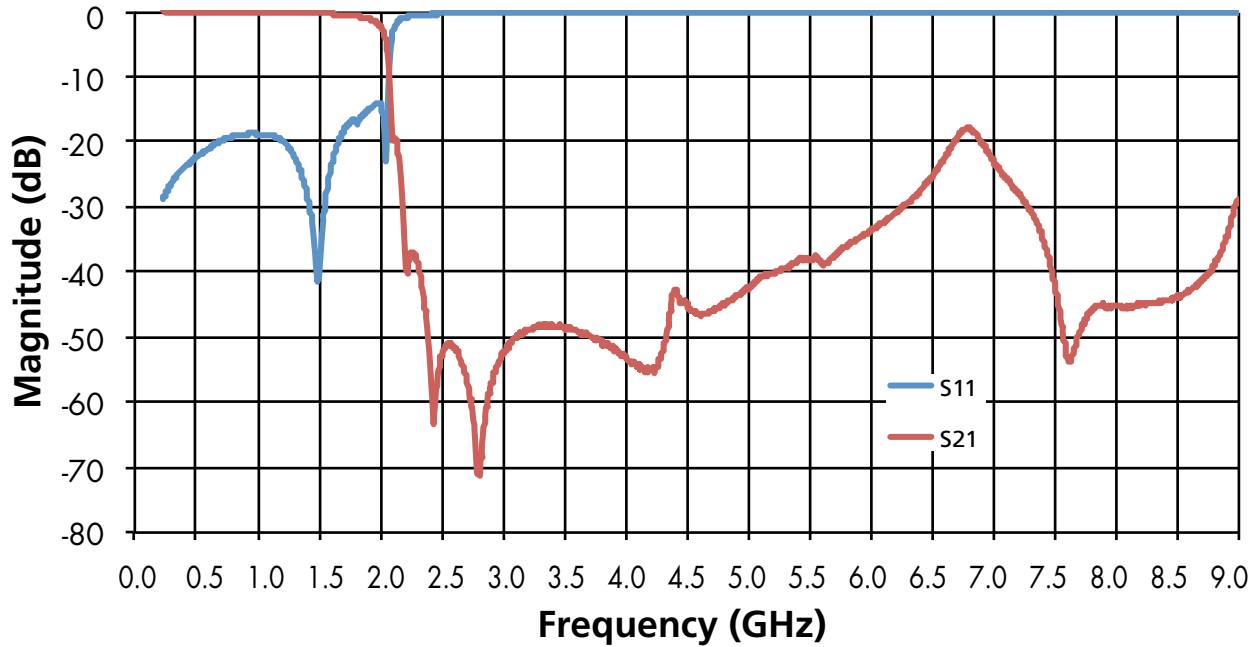
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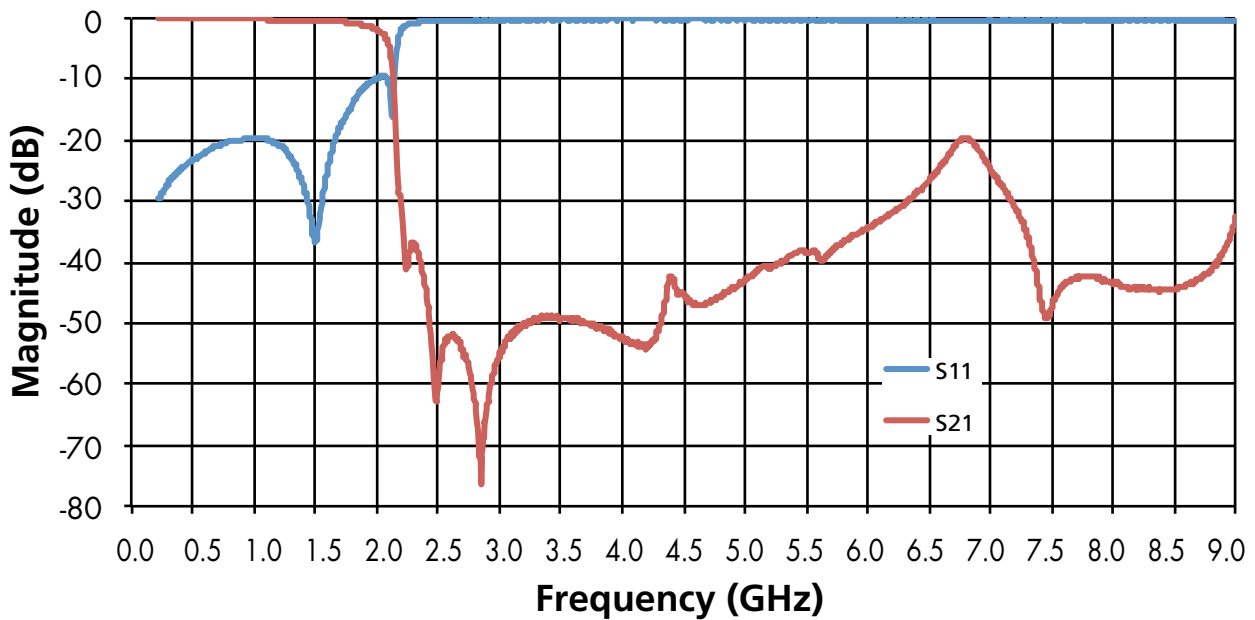


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LPF4016MO0000L1800HLGW
Passband 0 to 1800 MHz



LPF4016MO0000L1810HLGW
Passband 0 to 1810 MHz



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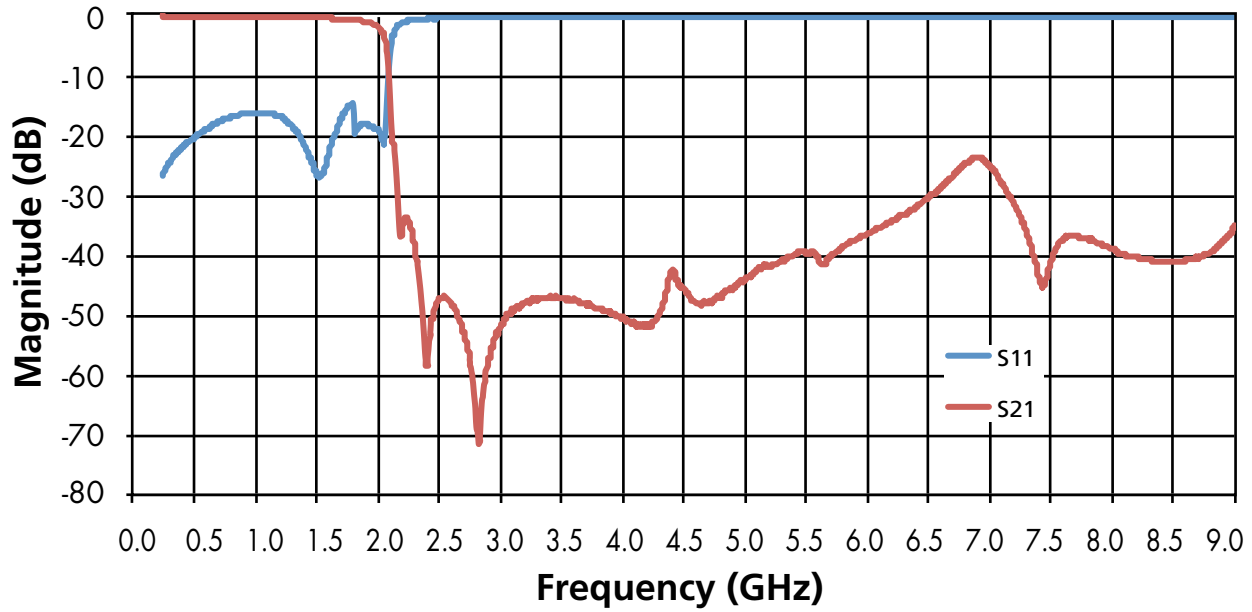


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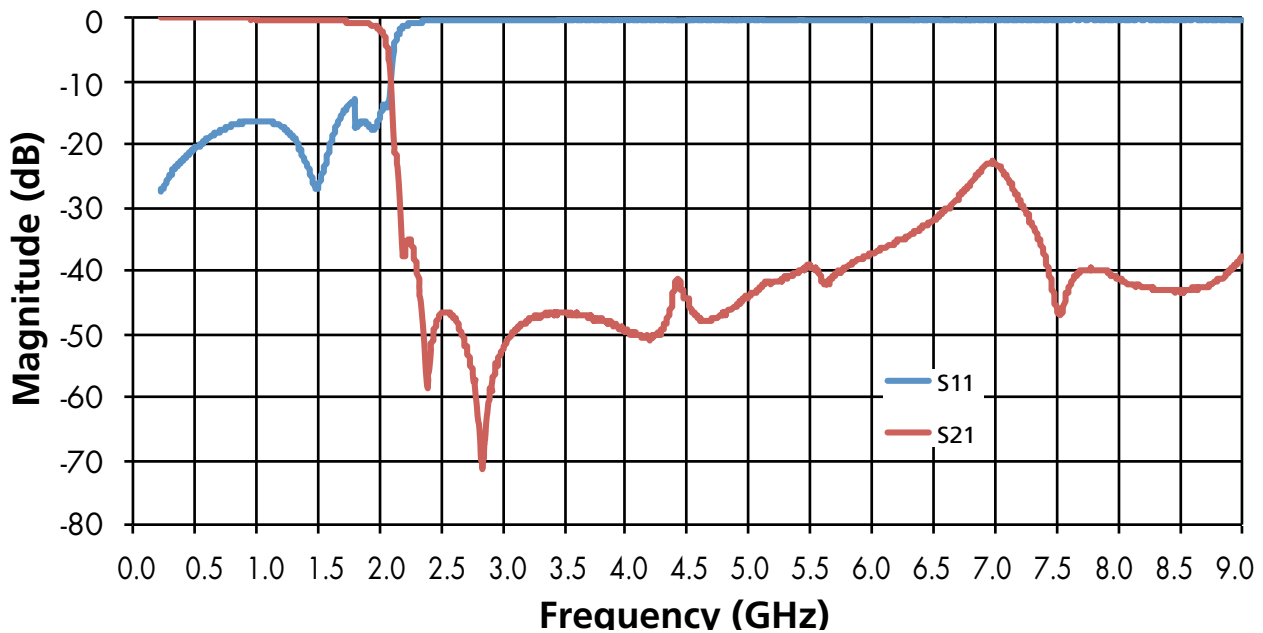
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LPF4016MO0000L1840HLGW
Passband 0 to 1840 MHz



LPF4016MO0000L1880HLGW
Passband 0 to 1880 MHz



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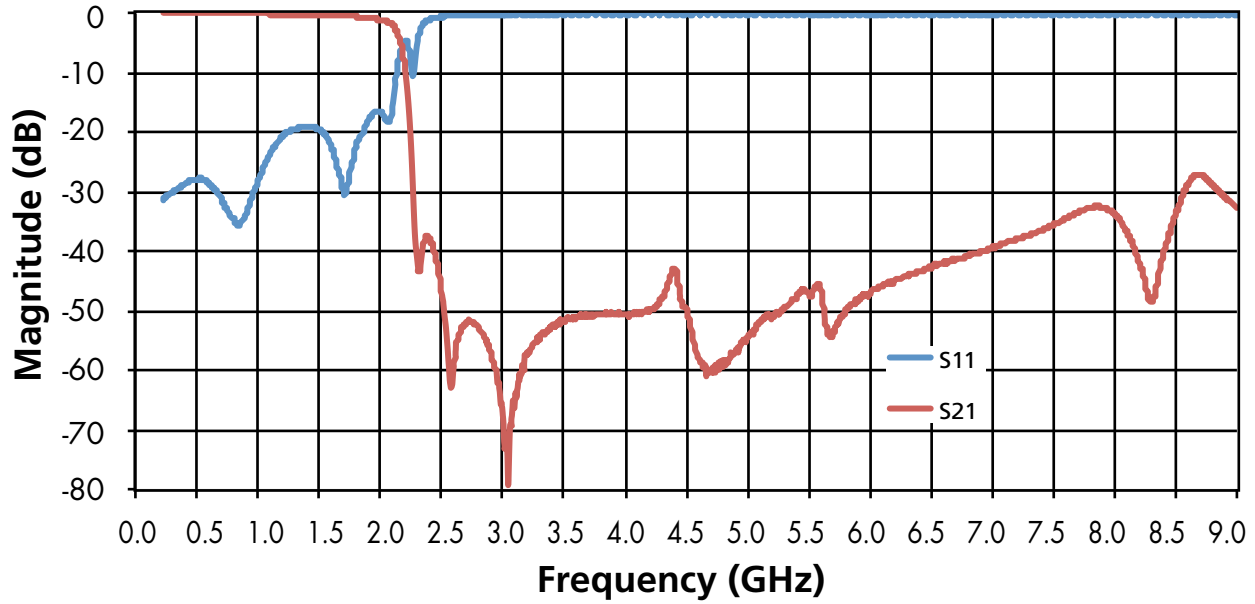


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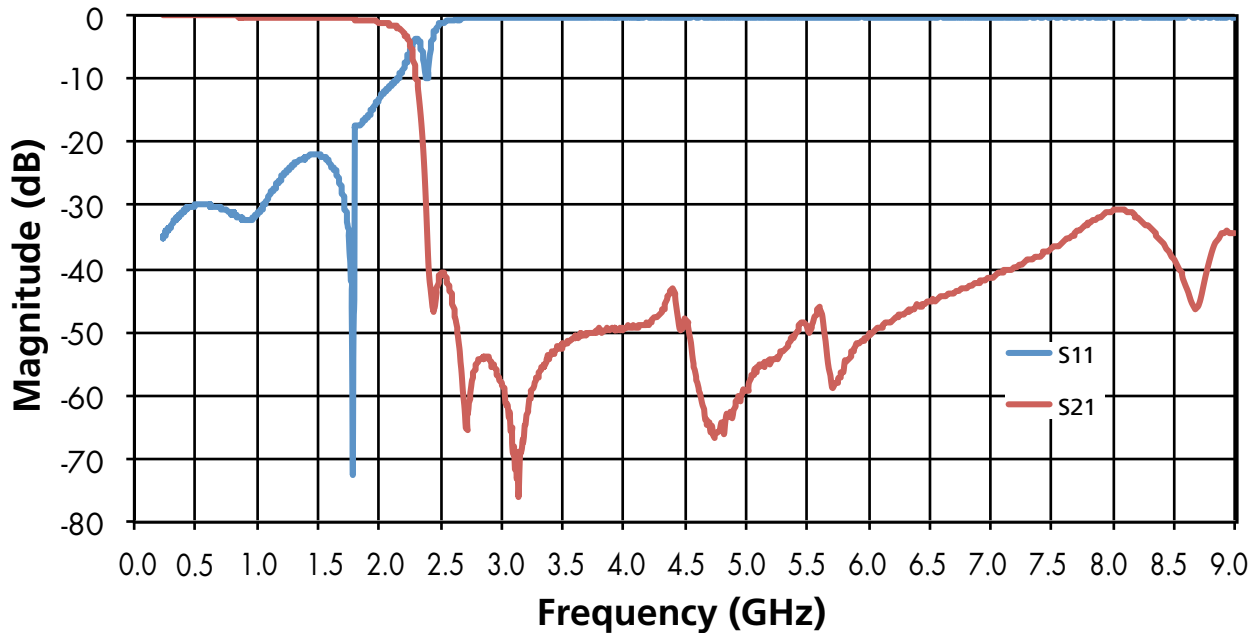
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LPF4016MO0000L1890HLGW
Passband 0 to 1890 MHz



LPF4016MO0000L1950HLGW
Passband 0 to 1950 MHz



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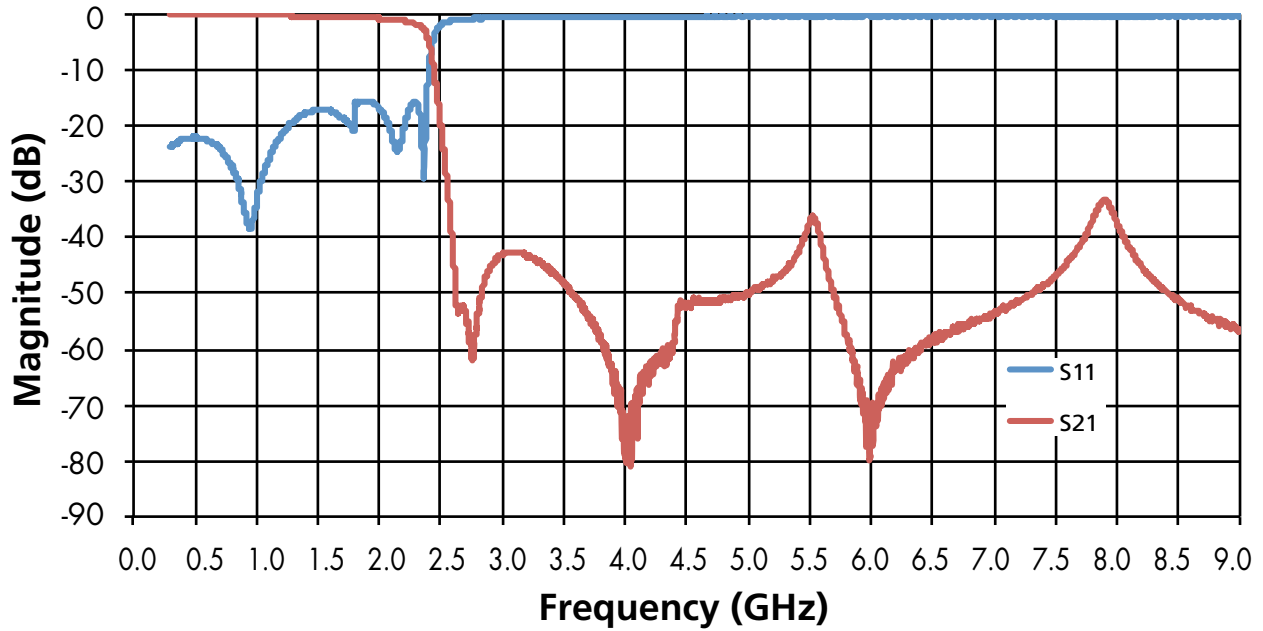


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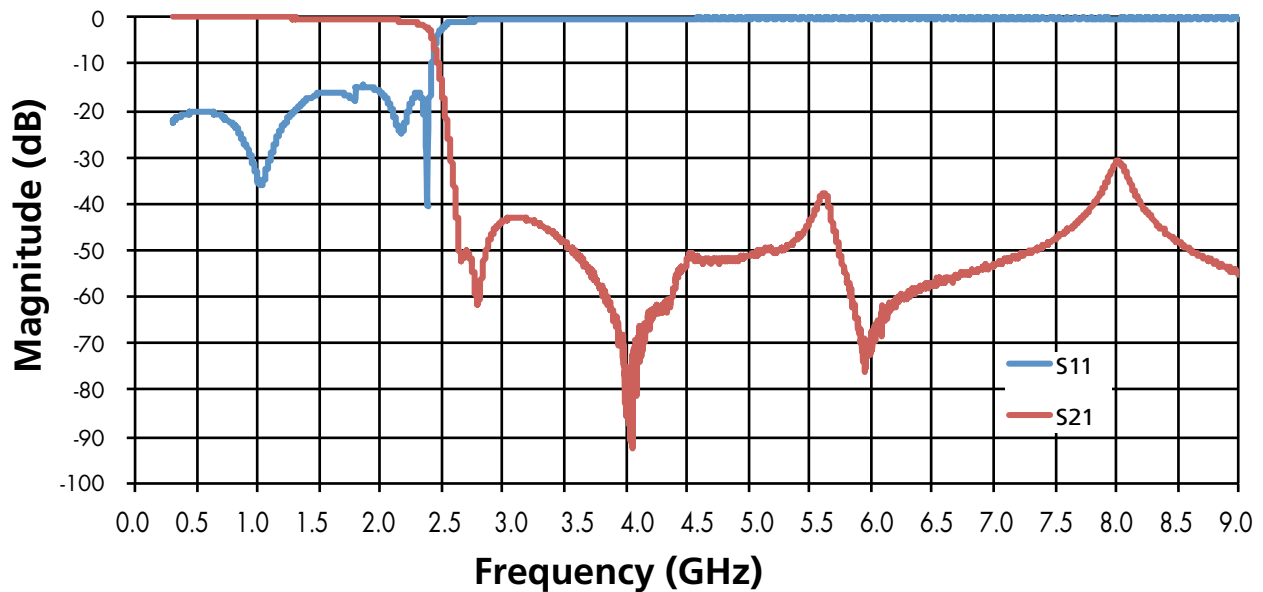
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LPF4016MO0000L2100HLGW
 Passband 0 to 2100 MHz



LPF4016MO0000L2140HLGW
 Passband 0 to 2140 MHz



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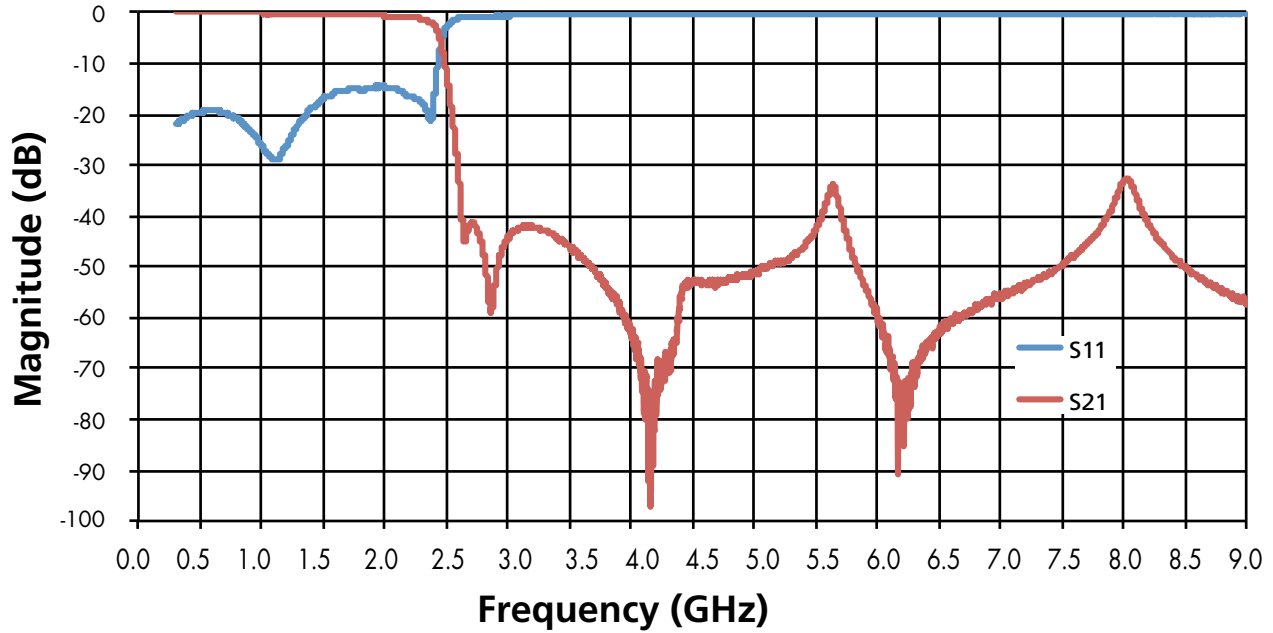
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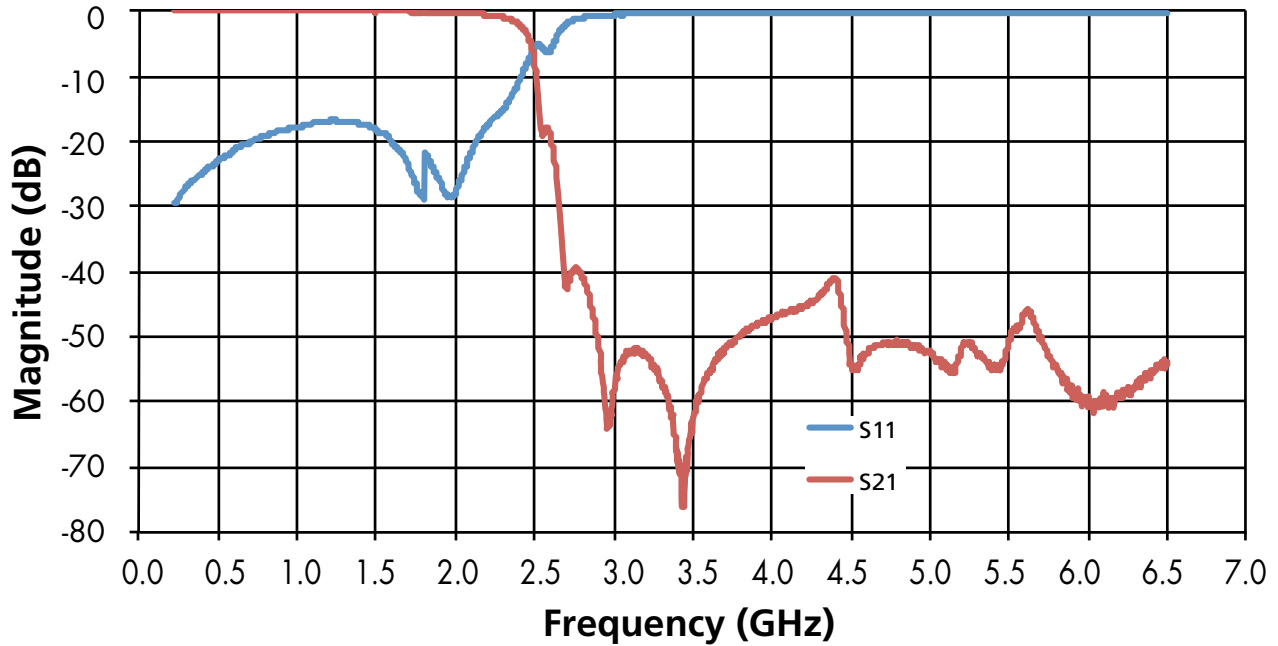


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LPF4016MO0000L2160HLGW
Passband 0 to 2160 MHz



LPF4016MO0000L2190HLGW
Passband 0 to 2190 MHz



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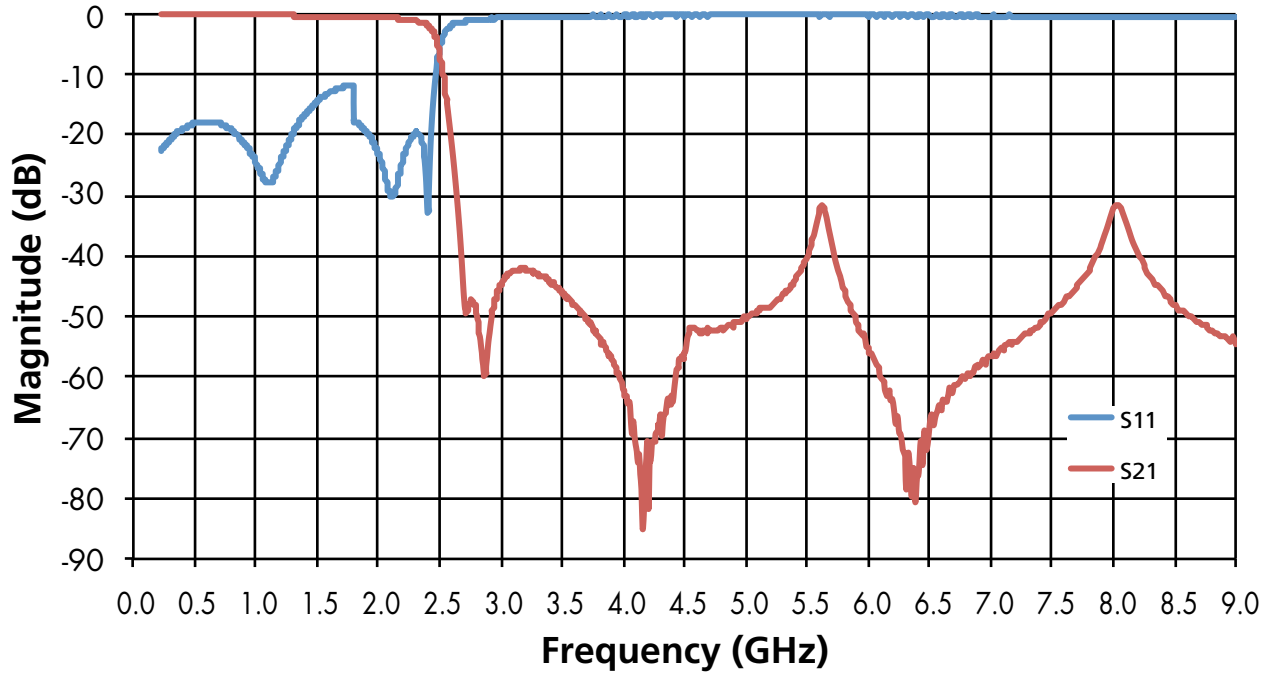
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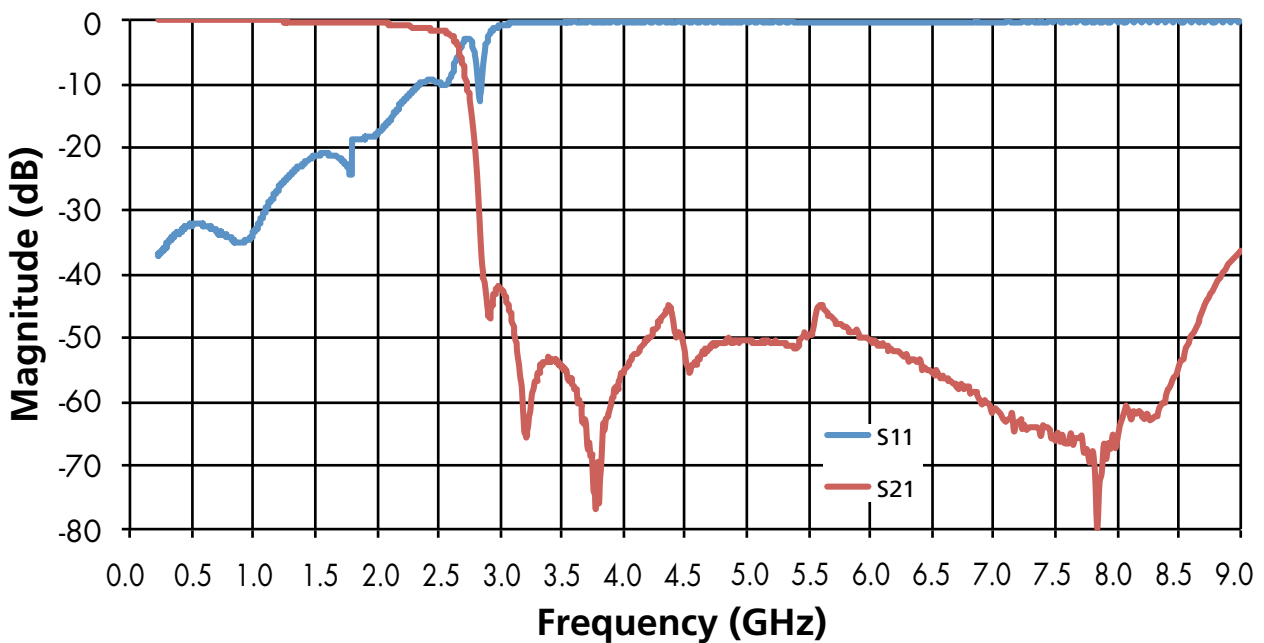


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Passband 0 to 2200 MHz



LPF4016MO0000L2210HLGW
Passband 0 to 2210 MHz



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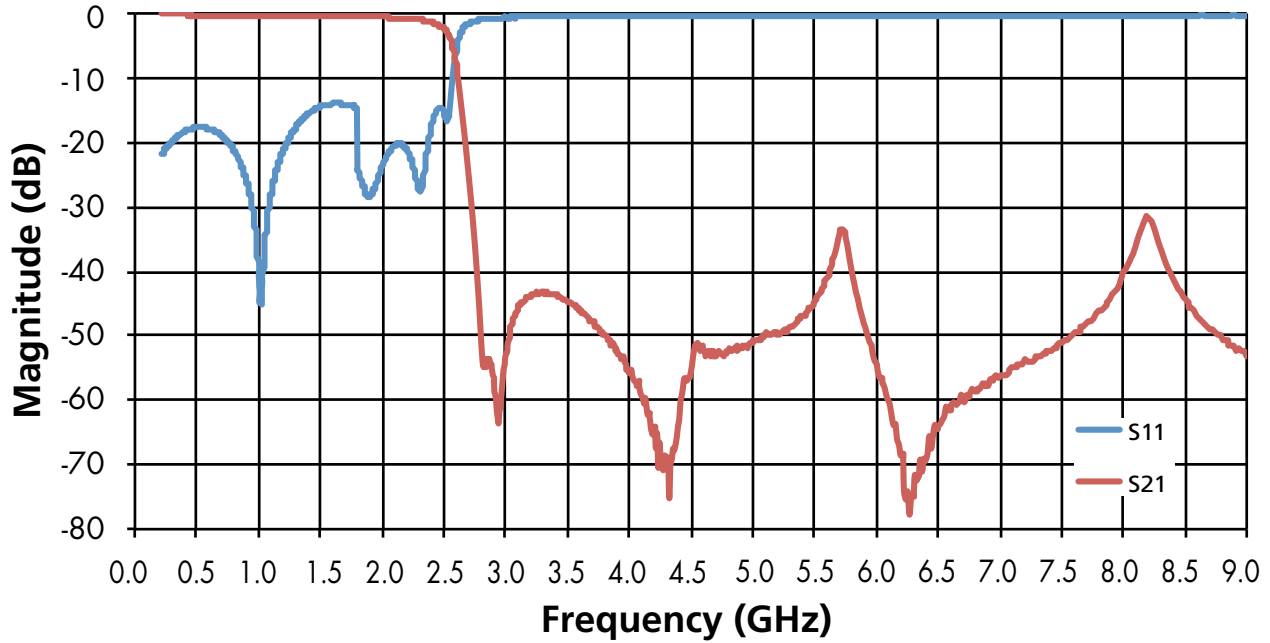


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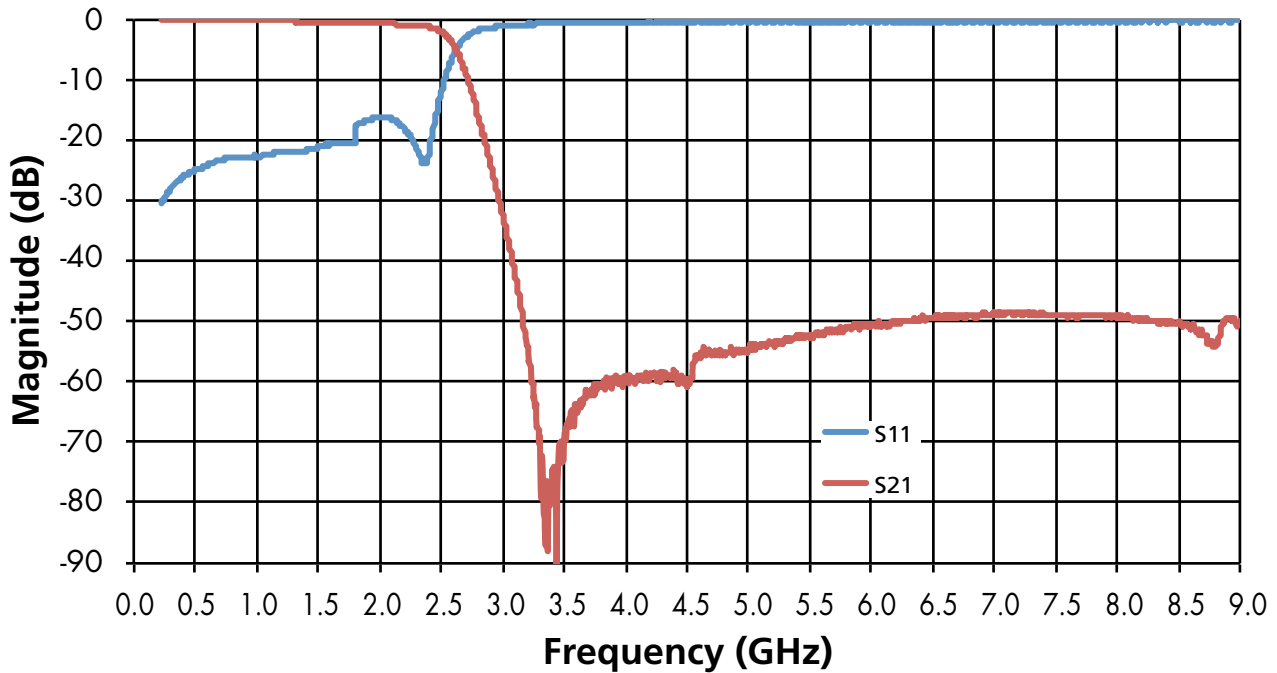
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Passband 0 to 2300 MHz



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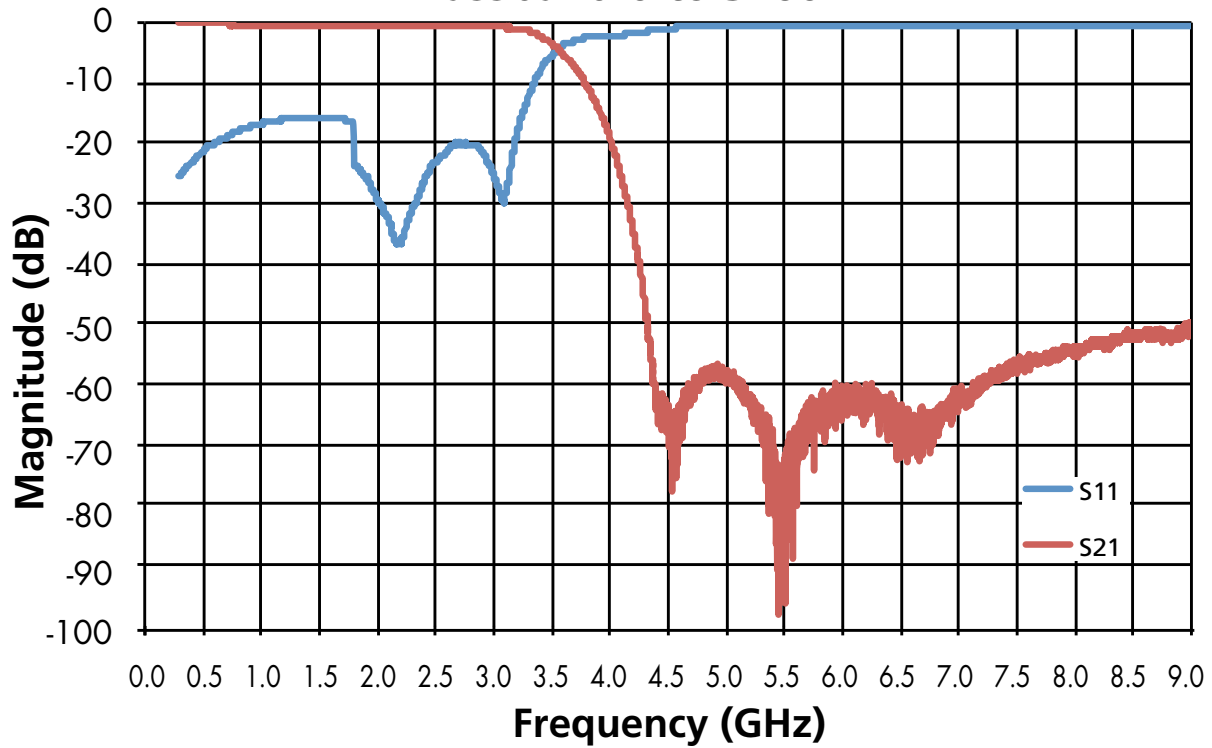


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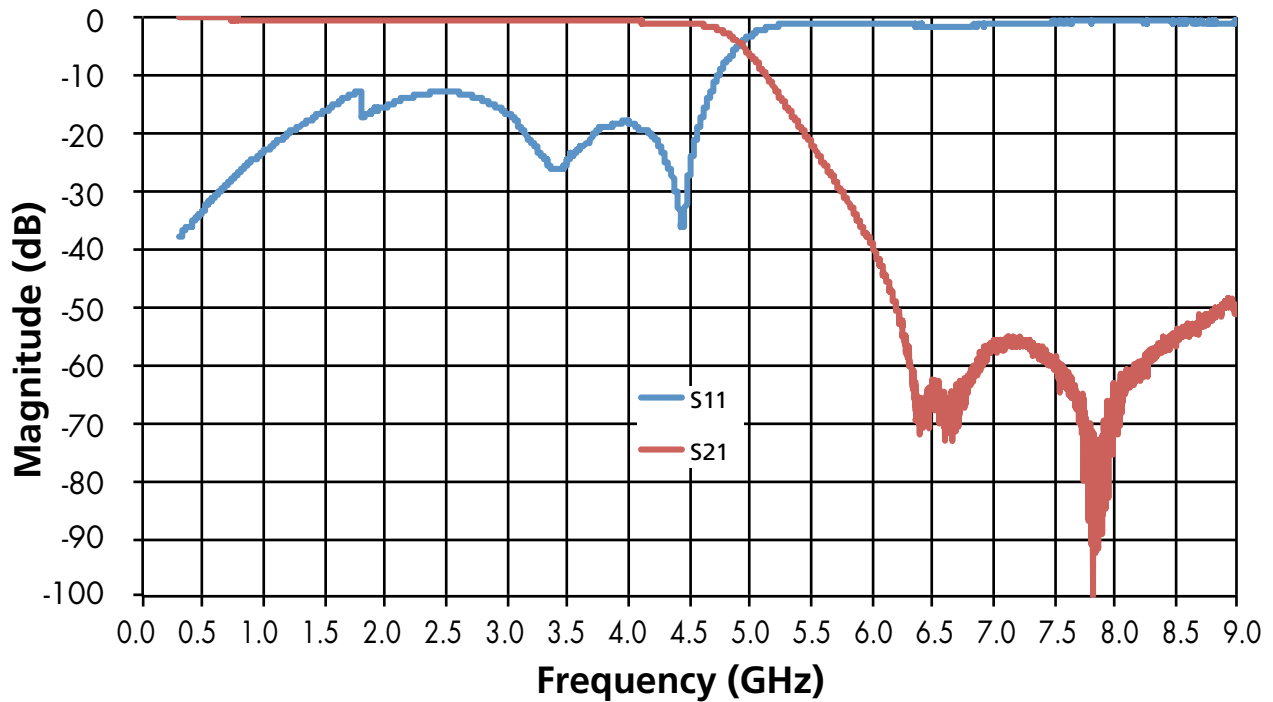
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LPF2616MO0000L3160HLGW
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LPF2616MO0000L4370HLGW
Passband 0 to 4370 MHz



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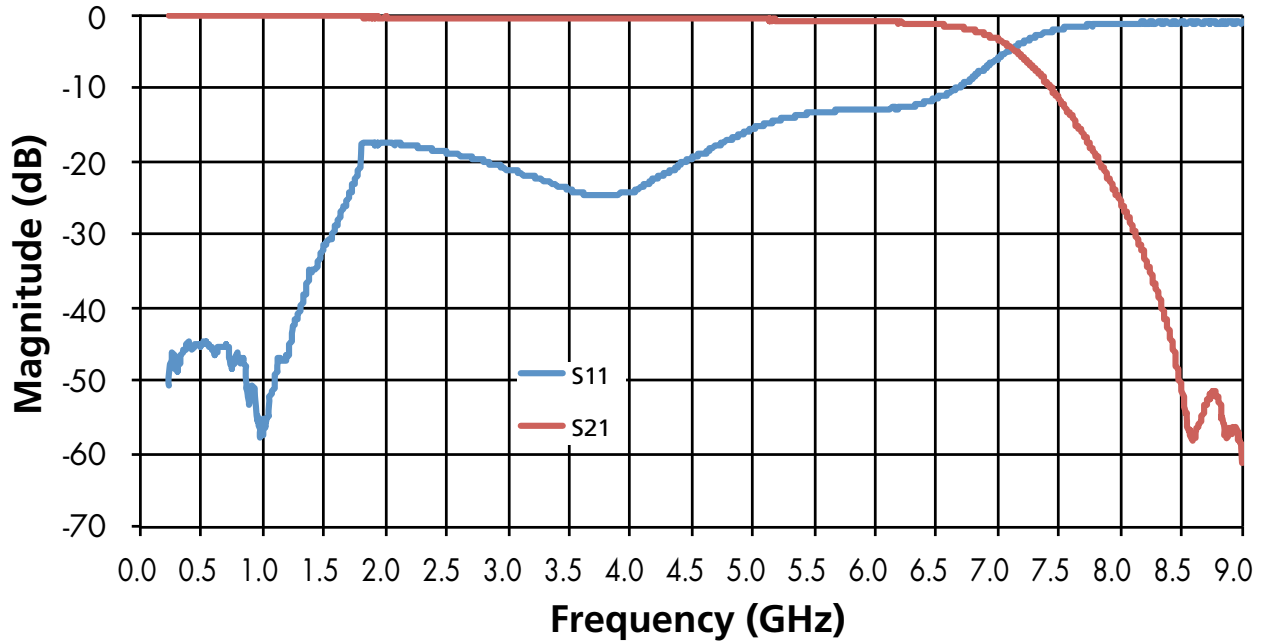


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LPF2616MO0000L6160HLGW Passband 0 to 6160 MHz



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