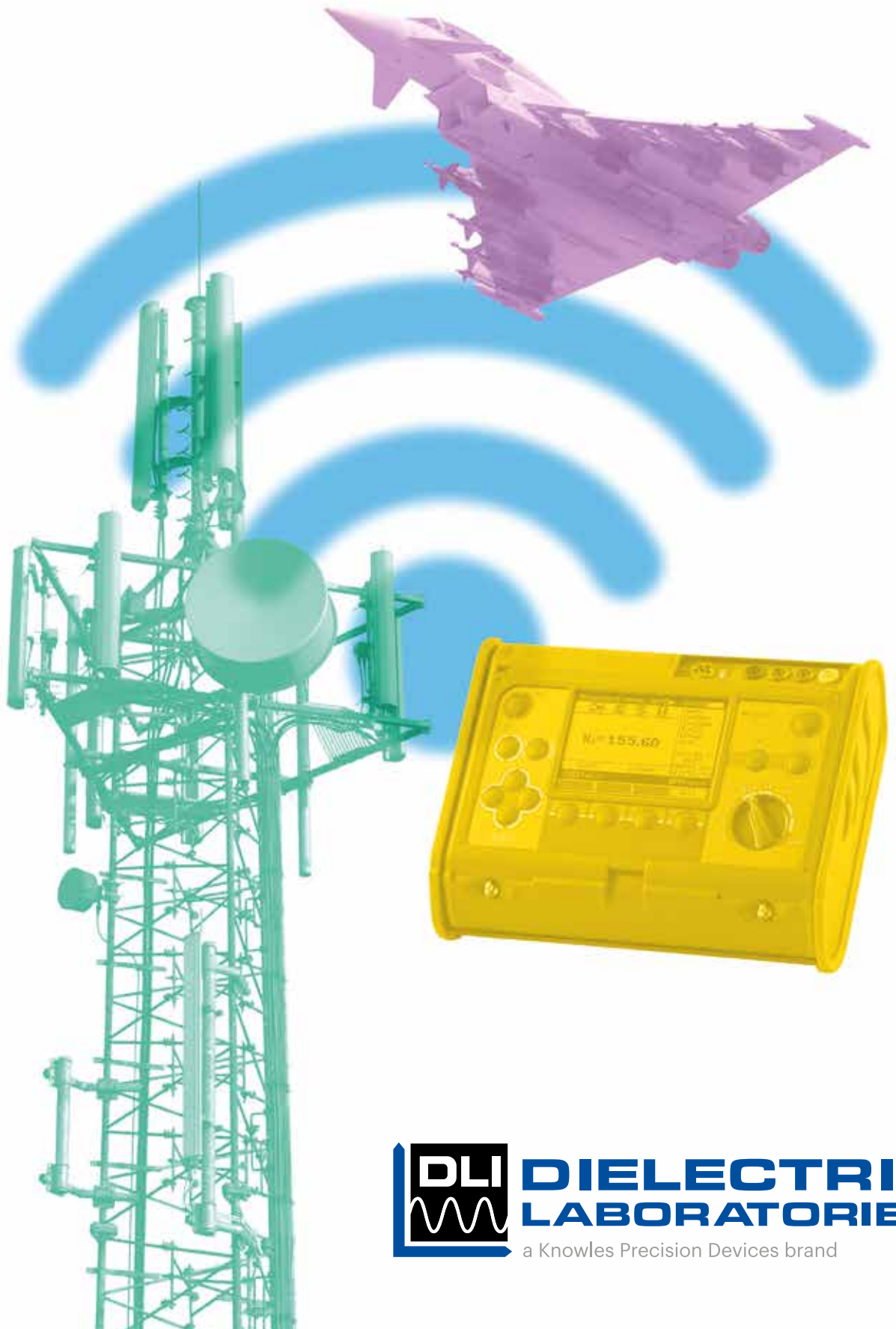


Microwave Products



DLI Microwave



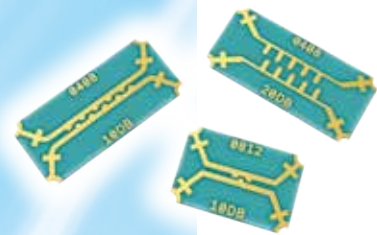
DLI's Microwave Catalog Products integrate two core competencies that have been honed for over 40 years; ceramic expertise and thin film manufacturing. Utilizing our high permittivity and temperature stable dielectric materials allows the product to be designed smaller than competition and offer higher selectivity in filtering applications. Combining the dielectric materials with our thin film fabrication and test capabilities allows our designers to push the limits of the materials and offer highly repeatable results for difficult microwave design solutions.

Over 10 years of designing custom solutions for very demanding defense and telecom applications has allowed DLI to create a catalog offering of Filters, Power Dividers and other passive devices such as Directional Couplers. In addition, we continue to support custom requests and offer many other solutions such as Cavity Filters (1-5% bandwidth), Diplexers and Gain Equalizers.

Please see our website at www.dilabs.com

Benefits/Advantages

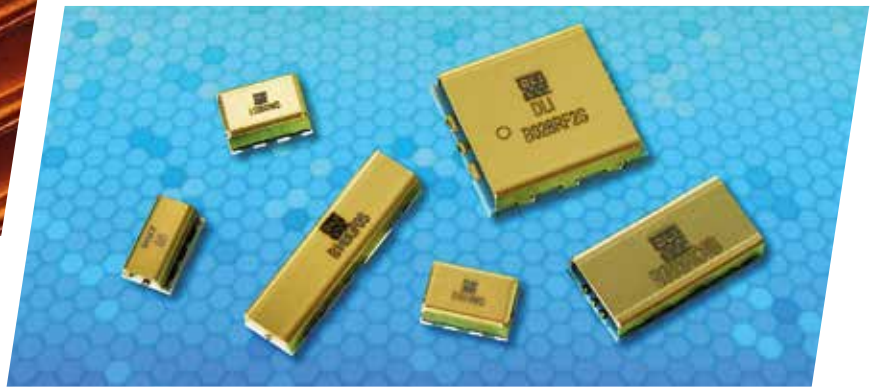
- Temperature Stable (-55 to +125°C)
- EAR99
- Surface Mount Assembly up to 42 GHz
- Lower Cost of Manufacturing Assembly
- Power Handling (up to 40 Watts)
- High Repeatability – Precision Thin Film Fabrication



Catalog Products

Typical Applications

- Microwave Radar
- Test Equipment
- Switch Filter Banks
- Satellite and Radio Communications
- Synthesizer and filter banks
- 5G Base Stations



RoHS Compliance Statement

DLI is a leading supplier to the electronic components market and is fully committed to offering products supporting Restriction of Hazardous Substances (RoHS) directives. All of our Dielectric formulations are RoHS compliant and we offer a broad range of capacitors with RoHS compliant terminations. DLI complies with the requirements of the individual customer and will maintain product offerings that meet the demands of our industry.

Quality and Environmental Policy

DLI's reputation for quality and environmental responsibility is based on a commitment not only to meet our customers' requirements, but to exceed their expectations. The entire organization, beginning with top management, strives to achieve excellence in designing, manufacturing and delivering High Q Capacitors and proprietary thin film components for niche high frequency applications, while maintaining safe and healthy working conditions. Furthermore, DLI commits to achieve these goals in an environmentally responsible manner through our commitment to comply with environmental regulations and pollution prevention initiatives. DLI strives to continually improve the effectiveness of our Quality and Environmental Management System through the establishment and monitoring of objectives and targets.



SMD Bandpass Filters

Features

- Small Size
- Fully Shielded Component
- Solder Surface Mount Package
- Moisture Sensitivity Level: MSL1
- Frequency Stable over Temperature
- Operating & Storage Temp: -55°C to +125°C
- Characteristic Impedance: 50Ω



Filters designed with high performance for microwave applications in a surface mountable package. Utilizing DLI's temperature stable, high permittivity dielectrics and thin film processing allow the designs to offer high selectivity without sacrificing on in-band performance. Designed for use on industry standard RF specific PCB materials.

Specifications

Part Number	Center Frequency (GHz)	Passband (GHz)	Insertion Loss (@Fc)		VSWR 50Ω System	Rejection (GHz)		Length Inches (mm)	Width Inches (mm)	Height Inches (mm)
			@ 25°C	-40°C to +85°C		LS Rejection (40dB)	HS Rejection (40dB)			
B012MD5S	1.227	1.22 to 1.23	3.5 dB	4.2 dB	2.0:1	DC to .925	1.45 to 2.5	0.460 (11.68)	0.460 (11.68)	0.113 (2.87)
B016MD6S	1.575	1.57 to 1.58	3.5 dB	4.2 dB	2.0:1	DC to 1.175	1.875 to 3.0	0.460 (11.68)	0.460 (11.68)	0.113 (2.87)
B024RF2S	2.4	1.97 to 3.05	3.0 dB	3.5 dB	2.0:1	DC to 1.25	3.8 to 4.75	0.500 (12.7)	0.250 (6.35)	0.110 (2.79)
B028RF2S	3.0	2.0 to 4.0	2.5 dB	3.0 dB	1.63:1	DC to 1.25	4.85 to 6.0	0.450 (11.43)	0.400 (10.16)	0.113 (2.87)
B031ND5S	3.125	2.9 to 3.33	3.0 dB	3.5 dB	2.0:1	DC to 2.4	3.85 to 7.0	0.500 (12.7)	0.250 (6.35)	0.100 (2.54)
B032ND5S	3.24	2.95 to 3.55	3.0 dB	3.5 dB	1.67:1	DC to 2.3	4.1 to 7.0	0.500 (12.7)	0.250 (6.35)	0.110 (2.79)
B033ND5S	3.3	3.1 to 3.5	2.0 dB	3.2 dB	2.0:1	DC to 2.25	4.0 to 6.0	0.393 (9.98)	0.353 (8.97)	0.128 (3.25)
B039NC5S	3.95	3.7 to 4.2	2.5 dB	2.75 dB	2.0:1	DC to 3.0	4.8 to 8.0	0.500 (12.7)	0.250 (6.35)	0.110 (2.79)
B040MB5S	4.0	3.78 to 4.22	2.5 dB	2.75 dB	2.0:1	DC to 3.4	4.6 to 10.0	0.500 (12.7)	0.250 (6.35)	0.100 (2.54)
B042ND4S	4.25	3.75 to 4.75	3.0 dB	3.5 dB	1.67:1	DC to 3.0	5.6 to 10.0	0.500 (12.7)	0.250 (6.35)	0.110 (2.79)
B047MC5S	4.7	4.4 to 5.0	2.0 dB	2.5 dB	2.0:1	DC to 3.8	5.55 to 11.0	0.500 (12.7)	0.250 (6.35)	0.100 (2.54)
B050NC4S	5.0	4.5 to 5.5	2.0 dB	2.5 dB	1.67:1	DC to 3.65	6.15 to 12.0	0.350 (8.89)	0.200 (5.08)	0.095 (2.41)
B052NC5S	5.2	4.8 to 5.6	2.25 dB	2.75 dB	1.67:1	DC to 3.5	6.2 to 12.5	0.350 (8.89)	0.200 (5.08)	0.095 (2.41)
B055NC5S	5.5	5.0 to 6.0	2.0 dB	2.5 dB	1.67:1	DC to 4.2	6.75 to 12.0	0.350 (8.89)	0.200 (5.08)	0.095 (2.41)
B057MC5S	5.7	5.45 to 5.95	2.0 dB	2.5 dB	1.67:1	DC to 4.7	6.6 to 14.25	0.350 (8.89)	0.200 (5.08)	0.110 (2.79)
B058MD7S	5.7	5.5 to 6.1	2.3 dB	2.8 dB	1.67:1	DC to 4.65	7.0 to 16.0	0.475 (12.1)	0.275 (7.00)	0.103 (2.62)
B056RC4S	6.0	4.0 to 8.0	3.0 dB	3.5 dB	1.5:1	DC to 3.0	9.5 to 12.0	0.450 (11.43)	0.230 (5.84)	0.100 (2.54)
B060NC5S	6.0	5.5 to 6.5	2.0 dB	3.0 dB	1.29:1	DC to 4.9	7.1 to 14.0	0.500 (12.7)	0.200 (5.08)	0.088 (2.24)
B062MC5S	6.3	5.9 to 6.7	2.5 dB	2.75 dB	1.67:1	DC to 5.2	7.5 to 15.0	0.500 (12.7)	0.250 (6.35)	0.095 (2.41)
B065NC5S	6.5	6.0 to 7.0	3.0 dB	3.5 dB	1.67:1	DC to 5.2	7.75 to 15.0	0.500 (12.7)	0.250 (6.35)	0.095 (2.41)
B070NC5S	7.0	6.37 to 7.63	2.0 dB	2.5 dB	2.0:1	DC to 5.8	8.5 to 17.5	0.500 (12.7)	0.200 (5.08)	0.100 (2.54)
B070MB6S	7.1	6.7 to 7.25	2.5 dB	2.75 dB	2.0:1	DC to 6.2	7.82 to 15.0	0.500 (12.7)	0.200 (5.08)	0.100 (2.54)
B076MB6S	7.6	7.24 to 7.96	2.5 dB	2.75 dB	2.0:1	DC to 6.69	8.52 to 18.25	0.500 (12.7)	0.200 (5.08)	0.100 (2.54)
B080MB5S	8.0	7.5 to 8.5	2.0 dB	3.0 dB	1.29:1	DC to 6.8	9.25 to 17.0	0.500 (12.7)	0.180 (4.57)	0.100 (2.54)
B081RC0S	8.5	6.0 to 11.0	3.4 dB	3.9 dB	2.0:1	DC to 3.5	14.0 to 19.0	0.190 (4.83)	0.100 (2.54)	0.090 (2.87)
B096QC2S	10	8.0 to 12.0	2.5 dB	3.0 dB	2.0:1	DC to 6.0	14.0 to 18.0	0.400 (10.86)	0.180 (4.57)	0.100 (2.54)
B120MB1S	12	11.5 to 12.5	2.0 dB	3.0 dB	1.29:1	DC to 10.6	13.2 to 19.5	0.525 (13.34)	0.225 (5.72)	0.090 (2.27)
B148QF0S	15	12.0 to 18.0	3.6 dB	4.2 dB	1.63:1	DC to 7.6	23.0 to 25.0	0.550 (13.97)	0.150 (3.81)	0.098 (2.49)
B161LA0S	16	15.5 to 16.5	4.0 dB	6.0 dB	1.67:1	DC to 14.5	17.2 to 21.5	0.695 (17.65)	0.250 (6.35)	0.093 (2.36)
B274MB1S	28	26.5 to 29.5	3.25 dB	3.5 dB	1.92:1	DC to 24.0	31.0 to 39.0	0.450 (11.43)	0.110 (2.794)	0.089 (2.26)
B280LB0S	28	27.0 to 29.0	1.5 dB	2.0 dB	2.0:1	DC to 25.0	30.75 to 34.25	0.350 (8.89)	0.120 (3.05)	0.098 (2.49)
B280LA0S	28	27.5 to 28.5	4.0 dB	4.5 dB	2.0:1	DC to 26.0 (35dB)	29.5 to 37.5 (30dB)	0.550 (14.00)	0.140 (3.56)	0.083 (2.11)
B385MD0S	38.5	37.0 to 40.0	2.5 dB	2.75 dB	1.92:1	DC to 34.0	45.0 to 50.0	0.275 (6.985)	0.080 (2.032)	0.075 (1.905)
B424MEZS	42.5	39.7 to 45.3	1.5 dB	2.0 dB	2.0:1	DC to 37.0 (30dB)	47.5 to 60.0 (30dB)	0.236 (6.00)	0.080 (2.03)	0.065 (1.65)

1) Electrical specifications based on typical probed performance at room temperature.

2) Above parts can be supplied in wire bondable format (epoxy and Au wire bond), please consult factory for details.

Lowpass Filters

These LPF's incorporate DLI's low loss high permittivity ceramics which provide small size and temperature stability. The catalog LPF's are offered in a variety of frequency bands, which offers a drop in solution for high frequency attenuation. With extreme repeatability, can place multiple in series for increased rejection or speak to the factory for a custom solution.



Features

- Small Size
- Fully Shielded Component
- Frequency Stable over Temperature
- Solder Surface Mountable
- Excellent Repeatability
- Operating Temp: -55°C to +125°C
- Characteristic Impedance: 50Ω
- 100% Tested & Inspected

Specifications

Part Number	3 dB Cutoff (GHz)	Passband (GHz)	Max Insertion Loss in Passband	Min VSWR in Passband	Mounting	Min Rejection GHz (30dB)	Length Inches (mm)	Width Inches (mm)	Height Inches (mm)
L050XF9S	5.0	DC - 4.0	1.0 dB	1.288:1	SMD	6.0 to 18.0	0.220 (5.59)	0.180 (4.57)	0.103 (2.62)
L065XG9W	6.5	DC to 6.0	1.3 dB	1.33:1	WB	8.0 to 24.5	0.220 (5.59)	0.140 (3.56)	0.118 (3.0)
L065XG9S	6.5	DC - 6.0	1.3 dB	1.22:1	SMD	7.9 to 26.0	0.220 (5.59)	0.180 (4.57)	0.103 (2.62)
L095XG9S	9.5	DC - 9.0	1.3 dB	1.12:1	SMD	11.5 to 32.0	0.220 (5.59)	0.140 (3.56)	0.103 (2.62)
L117XH4S	11.7	DC - 11.0	1.0 dB	1.43:1	SMD	17.0 to 32.0	0.220 (5.59)	0.140 (3.56)	0.103 (2.62)
L128XH4S	12.8	DC - 12.0	1.2 dB	1.38:1	SMD	18.8 to 34.5	0.220 (5.59)	0.140 (3.56)	0.103 (2.62)
L117XH4W	13.1	DC to 12.6	2.0 dB	1.67:1	WB	17.0 to 35.0	0.220 (5.59)	0.140 (3.56)	0.113 (2.87)
L157XG3S	15.7	DC - 15.0	2.2 dB	1.3:1	SMD	20.0 to 35.5	0.220 (5.59)	0.140 (3.56)	0.103 (2.62)
L157XF3W	17.0	DC to 16.5	2.0 dB	1.67:1	WB	20.0 to 38.0	0.220 (5.58)	0.140 (3.56)	0.108 (2.74)
L185XF4S	18.5	DC - 18.0	2.2 dB	1.4:1	SMD	22.5 to 42.5	0.220 (5.59)	0.140 (3.56)	0.098 (2.49)
L185XF4W	18.5	DC to 18.0	2.0 dB	2.0:1	WB	21.0 to 40.0	0.220 (5.59)	0.140 (3.56)	0.113 (2.87)
L204XF4S	20.4	DC - 20.0	1.8 dB	1.43:1	SMD	23.0 to 43.0	0.220 (5.59)	0.140 (3.56)	0.098 (2.49)
L254XF3S	25.4	DC - 25.0	1.4 dB	1.3:1	SMD	29.0 to 50.0	0.220 (5.59)	0.140 (3.56)	0.098 (2.49)
L288XC3S	28.6	DC to 27.65	2.0 dB	1.92 :1	SMD	30.5 to 50.0	0.220 (5.58)	0.140 (3.56)	0.098 (2.49)

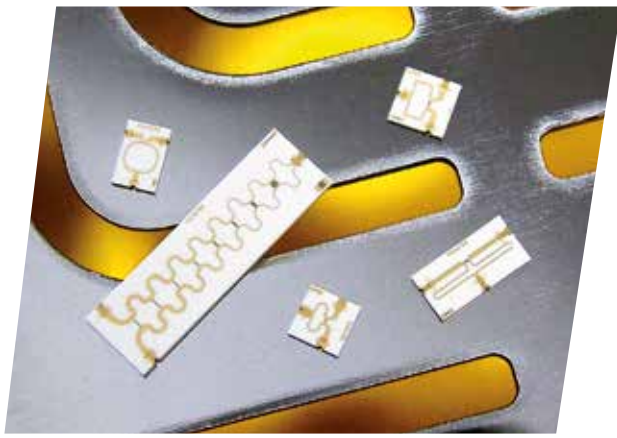


Highpass Filters

DLI introduces its new high frequency surface mountable catalog Highpass filters. These HPF's incorporate DLI's low loss high permittivity ceramics which provide small size and temperature stability. The catalog HPF's are offered in a variety of frequency bands, which offers a drop in solution for high frequency attenuation.

Specifications

Part Number	3dB cutoff (GHz)	Passband (GHz)	Typical Insertion Loss in Passband	Minimum VSWR in Passband	Minimum Rejection GHz (30dB)	Length Inches (mm)	Width Inches (mm)	Height Inches (mm)
H060XHXS	6.0	6.5 - 20.0	1.0 dB	1.43:1	DC to 3.5	0.450 (11.43)	0.200 (5.08)	0.093 (2.362)
H080XHXS	8.0	8.5 - 22.0	1.0 dB	1.43:1	DC to 5.0	0.450 (11.43)	0.200 (5.08)	0.093 (2.362)
H100XHXS	10.0	10.5 - 23.0	1.0 dB	1.43:1	DC to 5.5	0.450 (11.43)	0.175 (4.445)	0.083 (2.108)
H120XHXS	12.0	12.5 - 30.0	1.0 dB	1.43:1	DC to 9.0	0.450 (11.43)	0.175 (4.445)	0.083 (2.108)
H140XHXS	14.0	14.5 - 28.0	1.0 dB	1.43:1	DC to 9.5	0.450 (11.43)	0.175 (4.445)	0.083 (2.108)
H160XHXS	16.0	16.5 - 32.5	1.0 dB	1.43:1	DC to 12.1	0.450 (11.43)	0.175 (4.445)	0.083 (2.108)
H168XHXS	17.0	18.0 - 30.0	1.0 dB	1.43:1	DC to 11.6	0.450 (11.43)	0.175 (4.445)	0.083 (2.108)
H182XHXS	18.2	19.0 - 28.0	1.0 dB	1.7:1	DC to 14.0	0.450 (11.43)	0.175 (4.445)	0.083 (2.108)



DLI's Wilkinson Power Dividers are available in SMD and wire bondable formats. These power dividers incorporate DLI's low loss, high permittivity ceramics, providing smaller size and temperature stability. The integrated thin film resistors improve phase and amplitude balance over broadband devices. The compact size and proven performance offer a superior option over integration in a soft board material with discrete resistors.

Features

- Broad Band 2 to 18 GHz Frequency Coverage
- Low Excess Insertion Loss
- High Isolation
- Excellent Phase and Amplitude Balance
- Well matched on All Ports
- No External Resistors Required
- Compact Solder Surface Mount Package



Power Dividers

Specifications

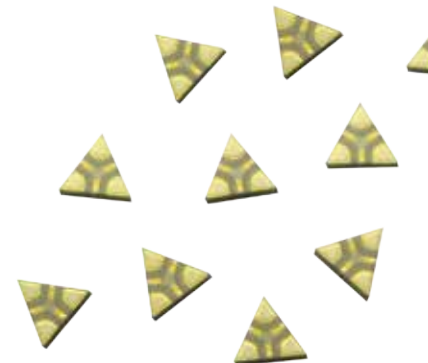
Part Number	Frequency Range (GHz)	Amplitude Balance Max. (dB)	Phase Balance Max. (degrees)	Excess Insertion Loss Typ. (dB)	Return Loss Typ. (dB)	Isolation Typ. (dB)	Input Power as a Splitter Max. (W) ²	Mounting	Config.	Size Inches (mm)
PDW06407	2.0 to 18.0	±0.25	±5.0	2.5	18	20	TBD	SMD	2-Way	0.600 x 0.180 x 0.020 (15.24 x 4.572 x 0.508)
PDW06933	2.0 to 18.0	±0.25	±5.0	2.5	18	20	TBD	Chip & Wire	2-Way	0.600 x 0.180 x 0.020 (15.24 x 4.572 x 0.508)
PDW06038	2.0 to 10.0	±0.25	±3.0	0.8	20	20	5	SMD	2-Way	0.400 x 0.250 x 0.020 (10.16 x 6.35 x 0.508)
PDW06041	2.0 to 10.0	±0.25	±3.0	0.8	20	20	5	Chip & Wire	2-Way	0.400 x 0.250 x 0.020 (10.16 x 6.35 x 0.508)
PDW05758	6.0 to 18.0	±0.25	±3.0	0.7	20	25	5	SMD	2-Way	0.185 x 0.160 x 0.020 (4.699 x 4.064 x 0.508)
PDW06011	6.0 to 18.0	±0.25	±3.0	0.7	20	25	5	Chip & Wire	2-Way	0.185 x 0.160 x 0.020 (4.699 x 4.064 x 0.508)
PDW06089	6.0 to 18.0	±0.5	±3.0	1.0	14	14	TBD	SMD	4-Way	0.250 x 0.300 x 0.020 (6.35 x 7.62 x 0.508)
PDW06398	5.0 to 7.0	±0.25	±5.0	0.25	20	18	TBD	SMD	2-Way	0.120 x 0.240 x 0.015 (3.048 x 6.096 x 0.381)
PDW06399	9.0 to 11.0	±0.25	±5.0	0.25	20	15	TBD	SMD	2-Way	0.150 x 0.100 x 0.015 (3.81 x 2.54 x 0.381)
PDW06400	11.0 to 13.0	±0.25	±5.0	0.5	25	20	TBD	SMD	2-Way	0.130 x 0.130 x 0.015 (3.302 x 3.302 x 0.381)
PDW06401	15.0 to 17.0	±0.25	±5.0	0.5	25	20	TBD	SMD	2-Way	0.120 x 0.120 x 0.015 (3.048 x 3.048 x 0.381)
PDW07691	18.0 to 20.0	±2.50	±5.0	0.5	15	20	3.0	SMD	2-Way	0.100 x 0.100 x 0.0150 (2.54 x 2.54 x 0.381)
PDW06984	25.0 to 32.0	±0.25	±3.0	0.8	15	15	TBD	SMD	2-Way	0.085 x 0.095 x 0.010 (2.159 x 2.413 x 2.54)
PDW07069	25.0 to 32.0	±0.25	±5.0	1.0	15	15	TBD	SMD	4-Way	0.140 x 0.170 x 0.010 (3.556 x 4.318 x 2.54)
PDW07630	25.0 to 32.0	±0.25	±5.0	0.25	20	14	TBD	SMD	2-Way	0.070 x 0.070 x 0.010 (1.778 x 1.778 x 2.54)

Notes: 1) Electrical Specifications at 25°C; Over Temperature Performance TBD. 2) Load VSWR not to Exceed 1.2:1; Base Temperature not to Exceed 85°C.

Resistive Dividers

Specifications

Part Number	Frequency Range (GHz)	Excess Insertion Loss Typ. (dB)	Return Loss Typ. (dB)	Mounting	Length Inches (mm)	Width Inches (mm)	Height Inches (mm)
PDR06390	DC to 20.0	0.25	20	SMD	0.075 (1.905)	0.070 (1.778)	0.010 (0.254)
PDR05848	DC to 40.0	0.5	20	SMD - AuSn	0.075 (1.905)	0.065 (1.651)	0.010 (0.254)
PDR06120	DC to 40.0	0.5	20	Epoxy	0.075 (1.905)	0.065 (1.651)	0.010 (0.254)
PDR06380	DC to 40.0	0.5	20	SMD	0.075 (1.905)	0.065 (1.651)	0.010 (0.254)



Specifications

Part Number	Frequency Range (GHz)	Mean Coupling Value (dB)	Max Insertion Loss (dB)	Return Loss Typ. (dB)	Size Inches (mm)
FPC06882	DC to 25	25	2	12	0.060 x 0.088 x 0.010 (15.24 x 2.235 x 2.54)
FPC06881	DC to 25	20	2	12	0.060 x 0.088 x 0.010 (15.24 x 2.235 x 2.54)
FPC07802	DC to 40	25	2.5	12	0.060 x 0.088 x 0.010 (15.24 x 2.235 x 2.54)
FPC07803	DC to 40	17	3	12	0.060 x 0.088 x 0.010 (15.24 x 2.235 x 2.54)

Resistive Couplers

Couplers



DLI's surface mount directional coupler series now cover up to 40 GHz. While custom coupling values are achievable, offerings in 3, 10 and 20 dB are available with common footprints for maximum flexibility. These couplers offer a turnkey solution in SMD or Chip and Wire format for high frequency power monitoring. Custom solutions are also available.

Features

- Small Size • High Directivity • Frequency Stable over Temperature
- Solder Surface Mountable • Excellent Repeatability
- Operating Temp: -55°C to +125°C • Characteristic Impedance: 50Ω
- Flexible PCB Feed Line Configurations

Specifications

Part Number	Frequency Range (GHz)	Mean Coupling Value (dB)	Passband Coupling Variation Typ. (dB)	Insertion Loss Typ. (dB)	Return Loss Typ. (dB)	Isolation Typ. (dB)	Directivity Typ. (dB)	Mounting	Size Inches (mm)
FPC06700	5.9 to 6.5	3	1.0	0.5	15	20	17	SMD	0.425 x 0.250 x 0.020 (10.795 x 6.35 x 0.508)
FPC06630	9.0 to 11.0	3	NA	0.5	15	18	15	SMD	0.286 x 0.180 x 0.015 (7.264 x 4.57 x 0.381)
FPC06701	10.7 to 12.75	3	1.0	0.5	12	15	12	SMD	0.255 x 0.155 x 0.015 (6.477 x 3.937 x 0.381)
FPC07180	2.0 to 18.0	20	4.5	0.8	15	20	20	SMD	0.500 x 0.150 x 0.015 (12.7 x 3.81 x 0.381)
FPC07183	24.0 to 33.0	3	± 0.5	0.5	15	15	12	SMD	0.180 x 0.110 x 0.010 (4.572 x 2.794 x 2.54)
FPC06073	4.0 to 8.0	10	± 1.5	0.3	20	30	20	SMD	0.170 x 0.080 x 0.015 (4.318 x 2.032 x 0.381)
FPC06149	4.0 to 8.0	10	N/A	0.3	18	30	20	Chip & Wire	0.180 x 0.080 x 0.015 (4.572 x 2.032 x 0.381)
FPC06076	4.0 to 8.0	20	± 1.5	0.3	20	40	20	SMD	0.170 x 0.080 x 0.015 (4.318 x 2.032 x 0.381)
FPC06152	4.0 to 8.0	20	N/A	0.3	15	35	16	Chip & Wire	0.180 x 0.080 x 0.015 (4.572 x 2.032 x 0.381)
FPC06719	6.0 to 18.0	10	1.0	0.3	15	20	10	SMD	0.255 x 0.100 x 0.015 (6.477 x 2.54 x 0.381)
FPC06913	6.0 to 18.0	20	1.0	0.3	12	28	8	SMD	0.180 x 0.110 x 0.015 (4.572 x 2.794 x 0.381)
FPC06074	8.0 to 12.0	10	± 1.0	0.3	14	25	15	SMD	0.120 x 0.080 x 0.015 (3.048 x 2.032 x 0.381)
FPC06150	8.0 to 12.0	10	N/A	0.3	12	18	8	Chip & Wire	0.130 x 0.090 x 0.015 (3.302 x 2.286 x 0.381)
FPC06153	8.0 to 12.0	20	N/A	0.3	15	30	12	Chip & Wire	0.130 x 0.090 x 0.015 (3.302 x 2.286 x 0.381)
FPC06302	8.0 to 12.0	20	N/A	0.3	15	35	15	SMD	0.120 x 0.080 x 0.015 (3.048 x 2.032 x 0.381)
FPC06077	8.0 to 12.0	25	± 1.0	0.3	15	30	10	SMD	0.120 x 0.080 x 0.015 (3.048 x 2.032 x 0.381)
FPC06075	12.0 to 18.0	10	± 0.5	0.3	15	25	14	SMD	0.100 x 0.080 x 0.015 (2.54 x 2.032 x 0.381)
FPC06151	12.0 to 18.0	10	N/A	0.5	12	18	10	Chip & Wire	0.100 x 0.080 x 0.015 (2.54 x 2.032 x 0.381)
FPC06078	12.0 to 18.0	20	± 1.0	0.3	15	35	14	SMD	0.100 x 0.080 x 0.015 (2.54 x 2.032 x 0.381)
FPC06154	12.0 to 18.0	20	N/A	0.3	10	15	10	Chip & Wire	0.100 x 0.080 x 0.015 (2.54 x 2.032 x 0.381)
FPC07182	20.0 to 40.0	10	± 1.5	0.3	10	28	15	SMD	0.065 x 0.050 x 0.010 (1.651 x 1.27 x 2.54)
FPC07181	20.0 to 40.0	20	± 1.5	0.3	12	34	10	SMD	0.065 x 0.050 x 0.010 (1.651 x 1.27 x 2.54)



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