



# MtronPTI Product Portfolio for Common Data Links (CDL)

Frequency Band	Topology	Part#	Pass band(s)	IL (dB, max)	RL (dB, min)	Rejection (dB, min)	Power (W,CW)	Dimensions (inch, max)	other specifications
L	Filter	LF1122-001	1.35 - 2.11 GHz	1	14	@0 to 900MHz: 30 @2700 to 6330MHz: 60 @6330 to 10550MHz: 50	50	1.900" x 0.500" x 0.500"	275W Max. (50% Duty Cycle, 500uSec pulse width)
LS	Diplexer	UFDX1144-001	Band 1: 1.7 - 1.8 GHz Band 2: 2.32 - 2.42 GHz	1	15	Band to Band Isolation : 70	30	4.000" x 3.000" x 1.000"	
	Triplexer	UFTX1144-002	Band 1: 2.02 - 2.12 GHz Band 2: 1.70 - 1.80 GHz Band 3 : 2.20 - 2.30 GHz	0.8	18	Band to Band Isolation : 70	30	6.900" x 5.200" x 1.750"	
S	Diplexer	LF2244-002	3.975 - 4.075 GHz	1.8	14	@ 500 MHz to 3200 MHz: 40 @ 7900 MHz to 13000 MHz: 40	1	1.000" x 0.500" x 0.350"	-
C	Filter	LF4488-001	5.325 - 5.525 GHz	1.8	14	@ 500 to 4500 MHz: 40 @10700 to 16500 MHz: 40	1	1.000" x 0.500" x 0.350"	
	Diplexer	UFDX4488-002	Band 1: 4.4 - 4.65 GHz Band 2: 4.75 - 5.0 GHz	1	15	Band 1: 80 dB above 4.738 GHz Band 2: 80 dB below 4.662 GHz	50	4.500" x 2.500" x 1.000"	Cross over isolation : >40dB
	IMA	UFDX9999-002	Band 1 : 6.67 - 7.07 GHz Band 2: 7.32 - 7.92 GHz	4	15	@5000 to 5800MHz : 50 @9000 to 12000MHz : 50	30	3.800" x 2.500" x 1.250"	Diplexer splitter assembly. Isolation between the bands 70dB
LSC	Quadruplexer	UFQXLSC12	Band 1 : 2.00 - 2.7 GHz Band 2 : 3.00 - 3.90 GHz Band 3 : 4.20 - 4.95 GHz Band 4 : 5.25 - 6.00 GHz	1.5	12	Band to Band Isolation : 80	80	5.120" x 2.740" x 1.200"	
X	Diplexer	UFDX8012-001	Band 1: 9.71 - 9.99 GHz Band 2: 10.10 - 10.50 GHz	1	15	Band to Band Isolation : 81	50	4.070" x 3.240" x 0.700"	
Ku	Filter	UF10081	15.150 - 15.350GHz	4	15	14400-14830MHz : 80dB	1	2.160" x 1.440" x 0.650"	
	Diplexer	UFDX9999	Band 1: 14.4 - 14.83 GHz Band 2: 15.15 - 15.35 GHz	1	15	Band to Band Isolation : 80dB	50	2.930" x 2.810" x 0.625"	
	Diplexer	UFDX9999-001	Band 1: 14.4 - 14.83 GHz Band 2: 15.15 - 15.35 GHz	1.5	15	Band to Band Isolation : 70dB	10	2.300" x 1.220" x 0.600"	
	Diplexer	UFDX9999-005	Band 1: 14.4 - 14.83 GHz Band 2: 15.15 - 15.35 GHz	1	15	Band to Band Isolation : 110dB	50	3.070" x 2.240" x 0.600"	
	IMA	IMA-005	Band 1: 14.4 - 14.83 GHz Band 2: 15.15 - 15.35 GHz	2	15	Band to Band Isolation : 125dB	100	9.000" x 7.000" x 4.000"	IMA Noise Figure : <3.8dB IMA Harmonic Suppression : 2nd -70dB, 3rd -25dB. Diplexers integrated with switches, LNA and user interface for switching between channels.
	Diplexer	UFDX9999-006	Band 1 : 15.55 - 16.00 GHz Band 2: 16.45 - 16.90 GHz	1.5	15	Band to Band Isolation : 70dB	10	3.000" x 2.000" x 0.600"	
K	Diplexer	UFDX9999-007	Band 1 :21.2 - 21.55 GHz Band 2: 21.75 - 22.10 GHz	2	15	Band to Band Isolation : 70dB	10	3.000" x 2.000" x 0.600"	
	Diplexer	UFDX9999-008	Band 1 : 22.55 - 23.00 GHz Band 2: 23.20 - 23.65 GHz	2	15	Band to Band Isolation : 70dB	10	2.600" x 2.000" x 0.600"	

Contact factory for custom frequency bands, Ka and V band products

