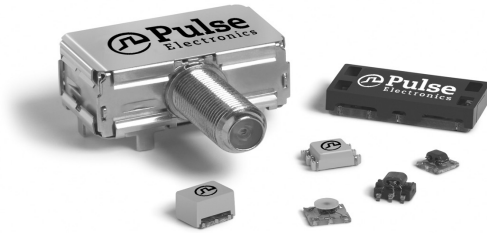
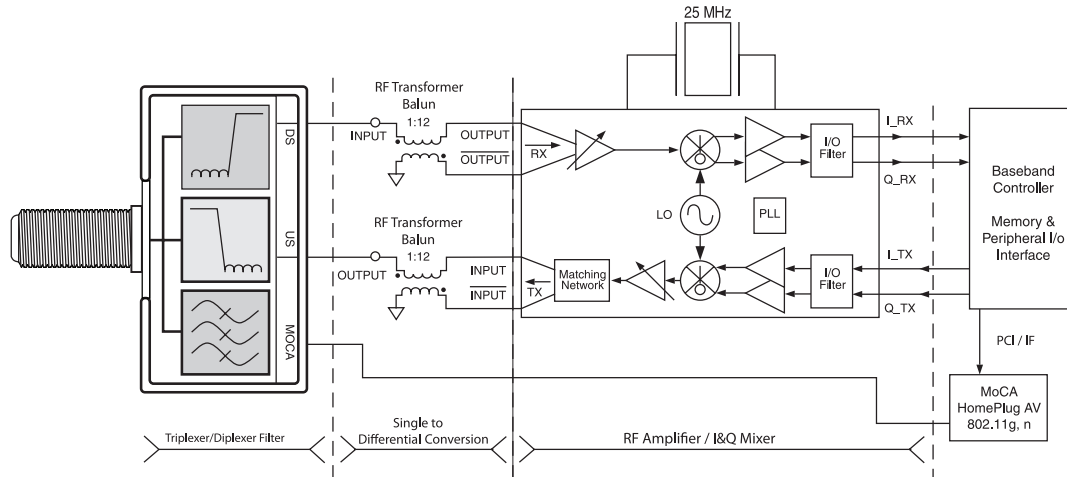


# RF COMPONENTS




Pulse offers a comprehensive line of RF magnetic components for use in CATV/ Hybrid Fiber Coax applications for set-top boxes and gateway devices, for TELCO TV in gateway devices, and FTTP ONT (optical network termination) units as well as emerging in-home networking products. RF components are also used in medical and industrial devices and equipment.

Platforms consist of filters that can also include integrated F-connectors, transformers/baluns, single-stage filters, directional couplers and RF splitter/ combiners. Pulse provides both surface mount and through hole components that have minimal insertion loss and excellent return loss to ease the development and manufacturing of today's RF network equipment.



## RF, BROADBAND, CATV, TELCO TV APPLICATIONS

### DIPLEX FILTERS with Integrated F-Connectors

Part Number	Low Pass (MHz)	High Pass (MHz)	Data Sheet
<b>DOCSIS System</b>			
			
C6036NL	10-55	90-770	C236
C6086NL	5-65	108-860	C236




### MoCA IC Cross Reference

IC House	RF Front End	Baseband Controller	Triplexer	Diplexer	RF Transformer Balun
Entropic	EN1010	EN2x10 EN2x11 EN3x30 EN3x11	C6113NL	C6058NL CX6155NL C6131SNL	CX2163LNL


Pulse has been a participating member



### DIPLEX FILTERS with Integrated F-Connectors

Part Number	Low Pass (MHz)	High Pass (MHz)	Data Sheet
<b>MoCA Application</b>			
			
C6131SNL	5-1002	1125-1525	C250
			
C6058NL	975-1025	1125-1525	C252
C6141NL	975-1025	1125-1525	C252
C6262NL	5-1002	1125-1675	C6262NL
			
CX6155NL	5-870	975-1525	C253


### TRIPLEX FILTERS with Integrated F-Connectors

Part Number	Low Pass (MHz)	Band Pass (MHz)	High Pass (MHz)	Data Sheet
				
C6113NL	5-42		1125-1675	C257
C6224NL	5-42		1125-1675	C6224NL


# RF COMPONENTS

## RF, BROADBAND, CATV, TELCO TV APPLICATIONS



### Diplexer Filters

Part Number	Frequency <sup>1</sup> (MHz)	Insertion Loss (dB)	Return Loss (dB)	Package Style	Data Sheet
 CX6020NL	5-42/54-864	1.5	14/9	SMT	C248

### RF Splitter/Combiners: 2-Way, 0°

Part Number	Frequency (MHz)	Isolation (dB TYP)	Return Loss (TYP)	Insertion Loss (dB TYP)	Data Sheet
 C4036NL	5-1000	25	31	0.48	C241

### RF Transformers/Baluns

Part Number	Impedance Ratio	Bandwidth (MHz TYP)			Data Sheet
		3 dB	2 dB	1 dB	
 CX2163LNL	1:1	800-1900	—	900-1400	C203
 C2139NL	1:1	—	—	5-1000	C244

### Directional Couplers




Part Data Number	Frequency (MHz)	Z (Ω)	Coupling Nom. (dB ±0.5)	Mainline Loss (dB TYP)
A5807LNL A102	5-900	75	10.0	1.1
A5808LNL A102	5-900	75	7.5	1.6
A5809LNL A102	5-900	75	12.0	0.9
A5816LNL	5-900	75	16.0	0.8



C3027NL C207	5-900	75	16.0	0.6
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### Fibre Channel (SAN), Dual Serial Data Interface Transformers

Part Number	Turns Ratio	Style <sup>1</sup>	Package L/W/H (in.) *	Data Sheet
 A6801NL <sup>2</sup>	1CT:1CT	16-pin SOIC	.500/.295/.220	A100
A6802NL	1:1	16-pin SOIC	.500/.295/.220	A100
C2267NL	1:1	16-pin SOIC	.500/.270/.220	C2267NL
C2268NL	1:1	16-pin SOIC	.500/.270/.220	C2268NL

1. SOIC = 50 mil pitch lead spacing

2. NL = Lead-free