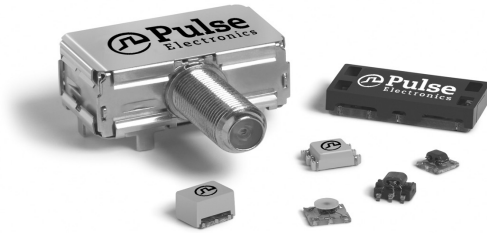
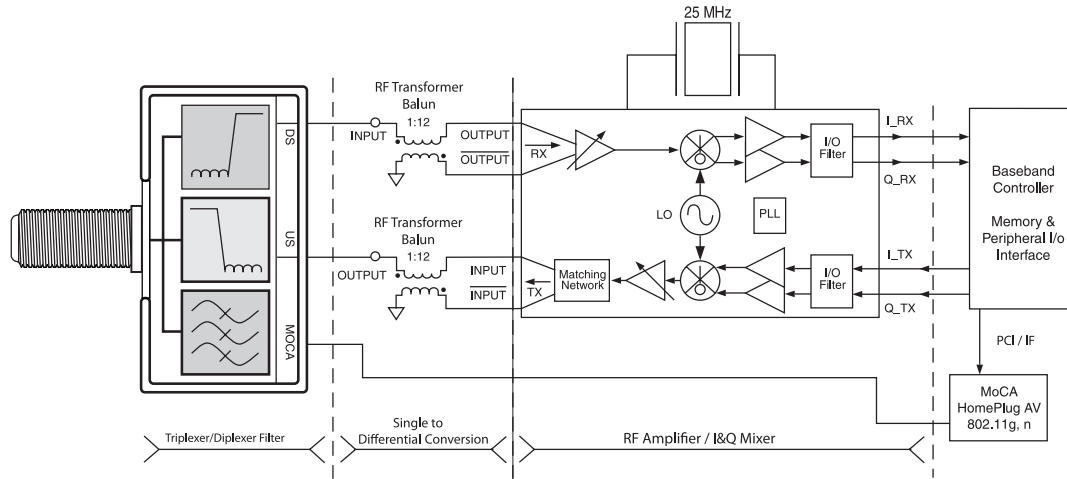


RF COMPONENTS




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
DOCSIS System			
			
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
MoCA Application			
			
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 ¹ (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	5-900	75	10.0	1.1
A102				
A5808LNL	5-900	75	7.5	1.6
A102				
A5809LNL	5-900	75	12.0	0.9
A102				
A5816LNL	5-900	75	16.0	0.8



C3027NL	5-900	75	16.0	0.6
C207				

Fibre Channel (SAN), Dual Serial Data Interface Transformers

Part Number	Turns Ratio	Package Style ¹	Package	Data Sheet
			L/W/H (in.) *	
 A6801NL ²	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