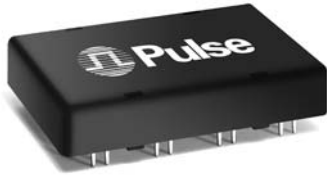


VDSL QUAD PORT CO FILTER MODULES

For Infineon 4-band VDSL Chipsets



- Quad port CO filter module for 4-band VDSL LT applications (Plan 998)
- Matched to Infineon PEF22814/22815 4-band VDSL chipsets
- Multi-function model includes: HPF Splitter, Hybrid Transformer, TX and RX Separation Filters and Common Mode Choke
- Designed to meet IEC950 supplementary insulation requirements

Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

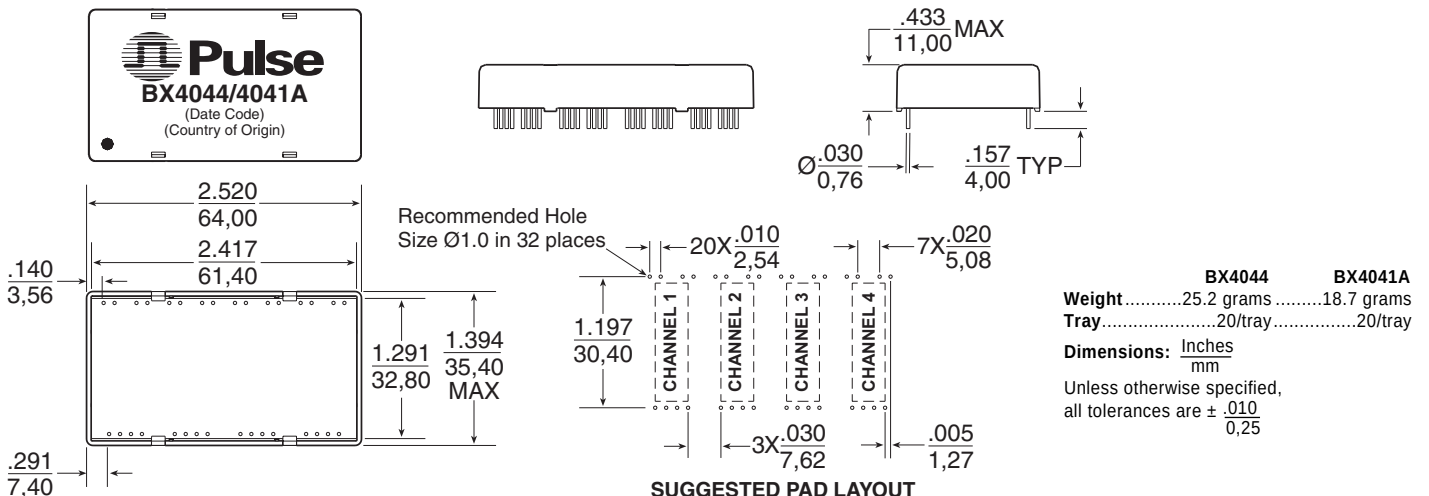
Part Number	TX to Line Specifications			Transhybrid Loss	Transhybrid Loss
	Passband @ 0.138 - 3.4MHz and 5.7 - 8.1MHz	Stopband Frequency	Attenuation (relative to Passband)	@ 0.138 - 3.4MHz and 5.7 - 8.1MHz	@ 4.0 - 5.04MHz and 9.1 - 11.9MHz
BX4044	Nominal Gain 4dB (TYP)	10 - 70kHz	60dB (MIN)	37dB (MIN)	30dB (MIN)
	Ripple 2.5dB (MAX)	22 - 40MHz	22dB (MIN)		
Part Number	TX to Line Specifications			Transhybrid Loss	Transhybrid Loss
	Passband @ 0.900 - 3.4MHz & 5.7 - 8.1MHz	Stopband Frequency	Attenuation (MIN) (relative to Passband)	@ 0.900 - 3.4MHz and 5.7 - 8.1MHz	@ 4.0 - 5.04MHz and 9.1 - 11.9MHz
BX4041A	Nominal Gain 4dB (TYP)	10 - 150kHz	40dB (MIN)	37dB (MIN)	30dB (MIN)
	Ripple 1.5dB (MAX)	22 - 40MHz	22dB (MIN)		

Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

Part Number	Line to RX Specifications			Line Return Loss	Isolation Voltage	Line Impedance	TX Impedance	RX Impedance
	Passband @ 4.0 - 5.04MHz and 9.1 - 11.9MHz	Stopband Frequency	Attenuation (relative to Passband)	@ 4.0 - 5.04MHz and 9.1 - 11.9MHz	(Vrms)	(Ω)	(Ω)	(Ω)
BX4044	Nominal Gain 7.5dB (TYP)	10 - 220kHz	60dB (MIN)	12dB (MIN)	1500	120	40	270
		1 - 3.4MHz	17dB (MIN)					
BX4041A	Ripple 2.0dB (MAX)	5.7 - 8.1MHz	17dB (MIN)					
		26 - 40MHz	26dB (MIN)					

Mechanical

BX4044/BX4041A



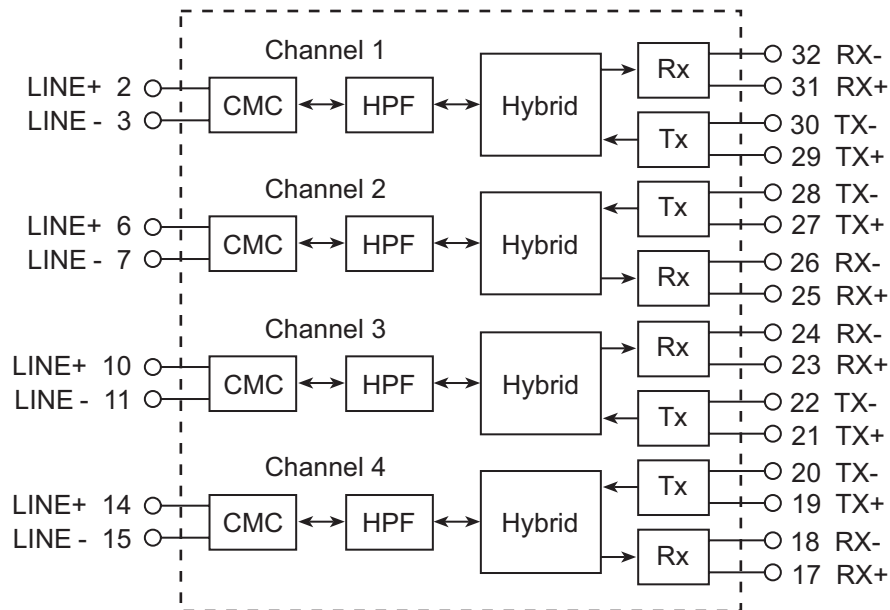
VDSL QUAD PORT CO FILTER MODULES

For Infineon 4-band VDSL Chipsets



Schematic

BX4044/BX4041A



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