

elecommunication

Key Devices for Base Stations

Double Diplexer with integrated LNA

Model PAN3730

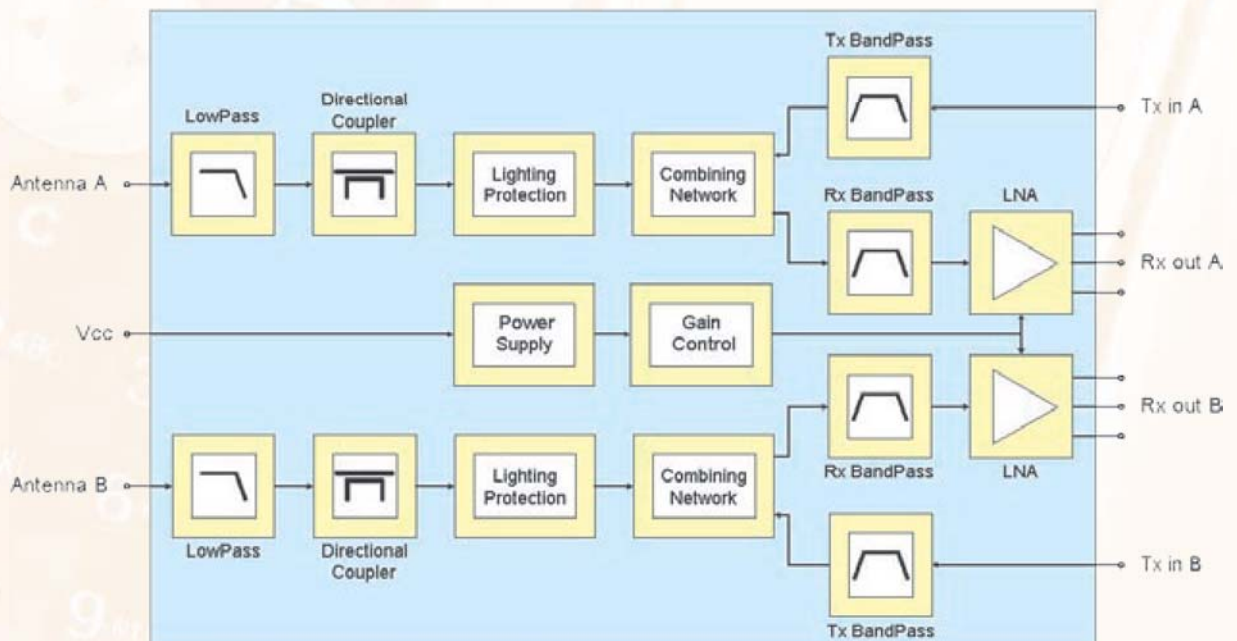
This double diplexer with an integrated Low Noise Amplifier (LNA) features to its size, very low insertion loss and low noise figure. It is a full-integrated UMTS-Solution with outstanding performance characteristics. An intelligent design and an integrated especially effective LNA ensure an efficient use of your system resources.



Specifications:

- Elliptical filter design offers low size
- Filter including LNA
- High isolation between Rx- and Tx-Band
- Very low insertion loss
- High power handling (less then 645W)

Block diagram:



Double Diplexer with LNA for Basestations

Model PAN3730

Technical characteristics:

Parameters	Rx - Path	Tx - Path
Pass band	1920 - 1980 MHz	2110 - 2170 MHz
Gain / Insertion Loss	25 - 36 dB	0.7 dB
Pass Band Flatness	+ 0.3 dB	+ 0.3 dB
Return Loss	18 dB	20 dB
Tx /Rx Isolation	100 dB min.	
Noise Figure	2.0 dB	---
Input IP3	0 dBm	
Peak Power Handling	---	500 Watt (780 ns)
Power Supply	12 VDC	---
Physical Dimensions (W x H x D)	53 x 230 x 280 mm ³	
Weight	4 kg	
Operating Temperature	-10 °C to + 70 °C	

for more information, please contact:

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