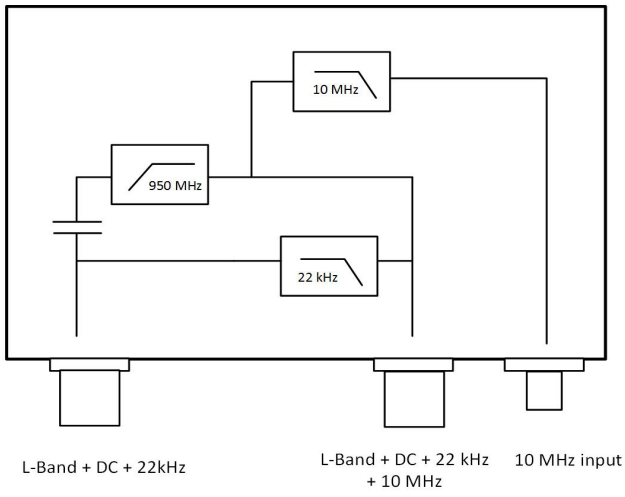
10 MHz Diplexer

Diplexer for insertion of 10 MHz with bypass of 22 kHz and DC

The L-Band / 10 MHz diplexer is used when a external 10 MHz reference signal input is needed for an LNB or BUC. Used together with SMW 10 MHz ref. oscillator or other 10 MHz signal source.



TECHNICAL SPECIFICATIONS

MODEL:	LDIP - 10 MHz Diplexer
L-Band Frequency Range	950 - 2150 MHz
DC Input	+13 to +28 V
Maximum Load	1 A
IF Insertion Loss	1 dB @ 950-2150 MHz max.
Return Loss 10 MHz Input	> 20 dB
Return Loss 10 MHz Output	> 20 dB
Return Loss L-band Input / Output	N- and SMA-connector: min. 10dB, typ 15 dB, with F connector min. 8dB, typ. 13 dB
10 MHz Harmonic Suppression	> 70 dBc @ L-Band output, > 40 dBc @ separate 10 MHz output
Temperature Range	-40 to +80°C
Ingress Protection Code	IP 67
Connectors	F-type 75Ω / N-type 50Ω / SMA-type 50Ω
Dimensions	96 x 28 x 89 mm (N connectors) (for drawing, see www.smw.se)
Weight	209 g (F & SMA connectors), 249 g (N connectors)
22 kHz Bypass	Through receiver or external source, n/a with DC Block IN or OUT
Options	Connector L-Band F, N or SMA type

Rev.10-20-4B

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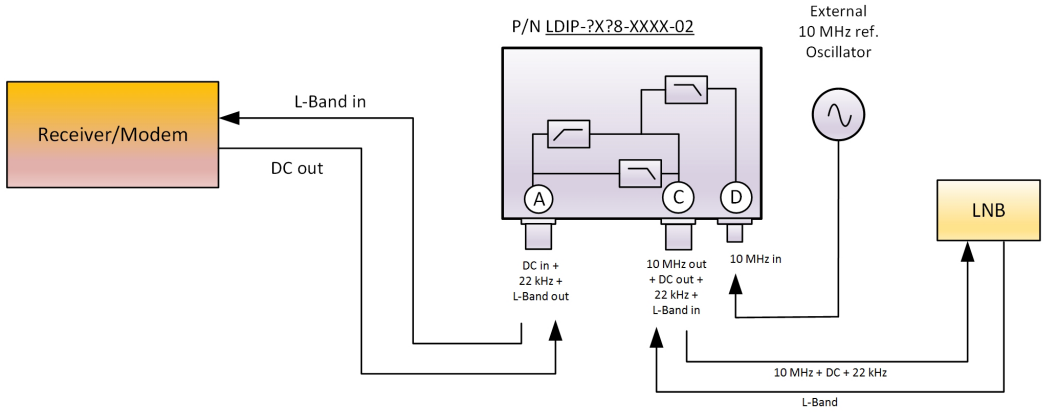
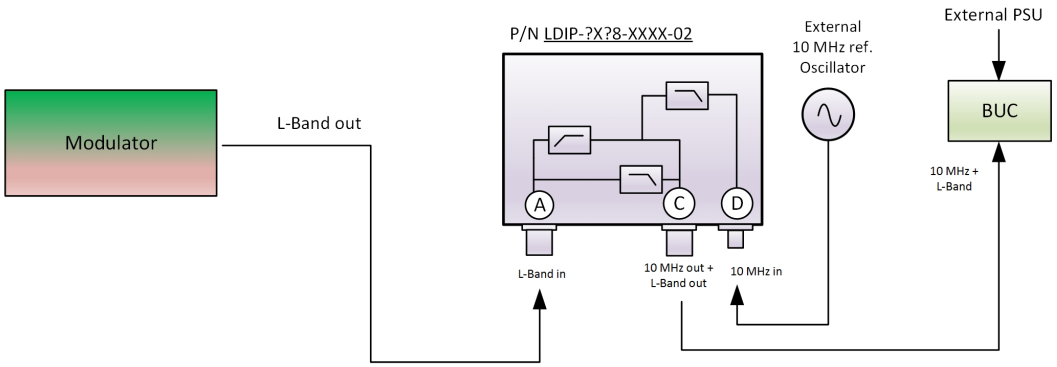
10 MHz Diplexer examples





Part number designation for the 10 MHz Diplexer

Model		Connector A		Sep. DC input B		Connector C		Connector D		DC Block A		DC Block C	Future use	Future use		Version
LDIP	-	?		X		?		8	-	X		X	X	X	-	02
		0	F	X	N/A	0	F	8	SMA (only)	X	No DC block					
		5	N			5	N									
		8	SMA			8	SMA									

Example: L-Band out + DC + 22 kHz in(N), L-Band in + DC + 22 kHz out (N), 10 MHz input (SMA), = **LDIP-5X58-XXXX-02**

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