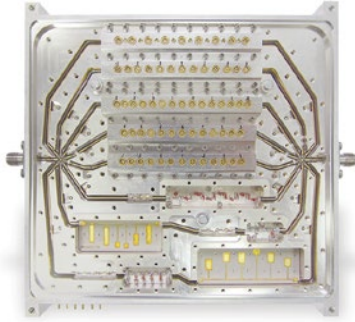


Solid State PIN Control Products



1-18 GHz

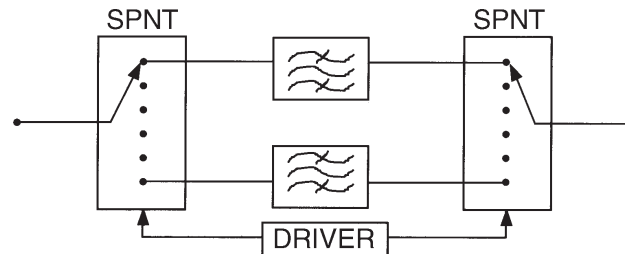
Switched Filter Banks

- Custom Designs
- Fast Switching Speed
- Low Insertion Loss
- Small Size
- Cavity, Lumped Element and Printed Filters available

Description

A switched filter bank is comprised of SPNT input and output switches together with a series of filters for every channel. Narda's switched filter banks are built as an integral unit of switches, filters and drivers.

These switched filter banks are custom designed to customer specifications, including the package configuration. The following are some examples of units that have been designed and manufactured.



Solid State PIN Control Products

Switched Filter Banks

1 to 6 GHz, 8 Channels

CHANNEL	PASS BAND (GHz)	INSERTION LOSS (dB)	REJECTION (GHz)			
			25 dB	35 dB	40 dB	50 dB
1	0.95-1.55	6	0-0.77	—	1.85-1.95	2.90-3.50
2	1.45-2.35	6	0-1.00	2.5-2.59	2.60-3.40	1.05-1.15
3	2.25-3.15	6	0-1.00	—	3.40-4.20	1.05-1.15
4	3.05-3.95	6	0-1.00	—	4.20-4.50	1.05-1.15
5	3.85-4.25	6	0-1.00	4.45-5.15	2.80-3.10	1.05-1.15
6	4.15-4.85	6	0-1.00	5.05-5.55	5.05-5.55	1.05-1.15
7	4.75-5.45	6	0-1.00	6.00-18.0	6.00-18.0	1.05-1.15
8	5.35-6.05	6	0-1.00	7.50-18.0	7.50-18.0	1.05-1.15

Switched Filter Banks

6 to 18 GHz, 6 Channels

CHANNEL	PASS BAND (GHz)	INSERTION LOSS (dB)	REJECTION (GHz)	
			60 dB	20 dB
1	5.75-8.25	6.5	0.5-4.2 & 11.5-18.0	9.0-11.0
2	7.75-10.25	6.5	0.5-5.2 & 13.4-22.0	11.0-13.0
3	9.75-12.25	6.5	0.5-6.2 & 15.4-22.0	13.0-15.0
4	11.75-14.25	6.5	0.5-8.6 & 16.4-22.0	9.0-11.0 & 15.0-16.4
5	13.75-16.20	6.5	0.5-10.6 & 18.4-22.0	11.0-13.0
6	15.75-18.25	7.0	0.5-12.6	13.0-15.0

Cavity Type Switched Filter Banks

6 to 18 GHz, 4 Channels

CHANNEL	PASS BAND (GHz)	INSERTION LOSS (dB)	REJECTION (dBc)	
			± 2 GHz	± 1 GHz
1	6.6-9.8	4.6	45-50	28-32
2	9.4-12.6	4.6	45-50	28-32
3	12.2-15.4	4.6	45-50	28-32
4	14.8-18.0	4.6	45-50	28-32