

Vertical 3GHz RF Splitters

2, 3, 4, 6, and 8 Way Splitters 5-3000MHz



Product Description

The advanced design of these Vertical 3GHz splitters allows for exceptionally high isolation and the lowest amount of insertion loss. The performance ranges from 5MHz to 3000MHz and offers the highest port-to-port isolation allowing power passing one port.

Specifications *(typical - limit)*

Insertion Loss (Max dB)	2 Way	3 Way	4 Way	6 Way	8 Way
5-750 MHz	4.5 - 5.0	8.0 - 8.5	9.0 - 9.5	11 - 11.5	13 - 13.5
750-1750 MHz	6.0 - 6.5	9.0 - 10	9.5 - 10	13 - 14	14.5 - 15
1750-2150 MHz	6.5 - 7.0	10 - 10.5	10.5 - 11	15 - 16	16 - 17
2150-2610 MHz	7.0 - 7.5	11.0 - 11.5	11 - 12	17 - 18	18 - 19
2610-3000 MHz	7.5 - 8.0	12 - 12.5	12.5 - 13.5	19 - 20	20 - 21

Isolation (Min dB)	2 Way	3 Way	4 Way	6 Way	8 Way
5-750 MHz	15 - 12	20 - 18	18 - 15	20 - 17	20 - 17
750-1750 MHz	22 - 20	22 - 20	20 - 18	20 - 17	20 - 17
1750-2150 MHz	20 - 18	22 - 20	18 - 15	20 - 17	18 - 14
2150-2610 MHz	18 - 15	17 - 15	18 - 15	18 - 14	18 - 14
2610-3000 MHz	18 - 15	17 - 15	18 - 15	18 - 14	15 - 12

Return Loss In (Min dB)	2 Way	3 Way	4 Way	6 Way	8 Way
5-750 MHz	14 - 11	9.5 - 9.0	7.5 - 7.0	7.0 - 6.5	6.0 - 5.5
750-1750 MHz	14 - 11	13 - 12	11 - 10	11 - 10	12 - 11
1750-2150 MHz	14 - 11	13 - 12	13 - 12	11 - 10	11 - 10
2150-2610 MHz	14 - 11	12 - 11	12 - 11	11 - 10	11 - 10
2610-3000 MHz	14 - 11	10 - 9.0	10 - 9.0	11 - 10	11 - 10

Return Loss Out (Min dB)	2 Way	3 Way	4 Way	6 Way	8 Way
5-750 MHz	11 - 9.5	9.0 - 8.0	8.0 - 7.5	10 - 9	11 - 10
750-1750 MHz	14 - 11	15 - 12	15 - 12	12 - 10	10 - 9.5
1750-2150 MHz	14 - 11	15 - 12	15 - 12	12 - 10	10 - 9.5
2150-2.610 MHz	12 - 10	15 - 12	15 - 12	12 - 10	10 - 9.5
2610-3000 MHz	12 - 10	10 - 9.0	12 - 10	10 - 9.0	10 - 9.5

DC Power Pass 1 Port
RFI Shielding > -120dB



Part #	Description
V3S2	Vertical 2-way RF Splitter 5-3000MHz
V3S3	Vertical 3-way RF Splitter 5-3000MHz
V3S4	Vertical 4-way RF Splitter 5-3000MHz
V3S6	Vertical 6-way RF Splitter 5-3000MHz
V3S8	Vertical 8-way RF Splitter 5-3000MHz

Specifications subject to change without notice. Copyright 2009. Revision: 02/09