

DSV Series Sub-Band Diplexer



○ Features & Benefits

- Models Available in VHF Low/Highband, VHF/UHF and Sub/CATV
- Low Insertion Loss
- Superior Isolation
- Compact Housings

Blonder Tongue's multiplexers are designed to combine or separate the various bands of frequencies used in RF distribution systems. Several models are available, including: VHF LB & VHF HB split, VHF & UHF split, and sub-band & CATVsplit. The compact passive units exhibit low insertion loss and high isolation.

○ Specifications

Electrical

	DSV	
	5-30	50-1000
Band Separation (MHz):	5-30	50-1000
Insertion Loss (dB):	0.5	1.0
Isolation (dB):	55 (a) 45 (f) 45 (j)	55 (b) 45 (g)
Impedance (Ω):	75	75
Return Loss (dB):	14	14

General

Power Passing Capability (A):	0.5	-
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Mechanical

	DSV		DSV-42	
	5-30	50-1000	DC-42	54-1000
Dimensions (L x W x D):				
in.	7.38 x 1.69 x 1.00		7.38 x 1.69 x 1.00	
mm	187 x 51 x 44		187 x 51 x 44	
Weight:				
lbs.		7.1		7.1
kgs		201		201

Connectors

RF Inputs/Outputs:	"F" Female	"F" Female
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○ DSV Specifications Notes

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|-------------------|---------------------|
| (a) 50 to 550 MHz | (f) 45 to 50 to MHz |
| (b) 5 to 30 MHz | (g) 30 to 35 MHz |
| (c) 54 to 860 MHz | (h) 860 to 1000 MHz |
| (d) DC 42 MHz | (j) 550 to 1000 MHz |
| (e) at 50 MHz | |