

DSD404 / DSD406 (370-512 MHz)

4 or 6 Cavity Integrated Bandpass Reject Duplexer

MODEL	DSD404	DSD406
ELECTRICAL SPECIFICATIONS		
Frequency Range, MHz	See Ordering Information	
Frequency Separation (min), MHz	3	3
Number of Cavities	4	6
Isolation (min), dB	90	90
Model 380 Insertion Loss (max), dB	1.3	1.9
Model 450 Insertion Loss (max), dB	1.2	1.8
Return Loss (min), dB	19	19
Impedance, Ohms	50	50
Power Rating, Watts	150	150
MECHANICAL SPECIFICATIONS		
Construction/Finish	Aluminum/Black	
Input Connector	N(F)	N(F)
Mounting	EIA 19-inch Rack	EIA 19-inch Rack
Temperature Range, degrees	-30 to +60 C	-30 to +60 C
DIMENSIONS		
Width, in(mm)	19 (483)	19 (483)
Height, in(mm)	5.3 (133)	5.3 (133)
Height, RU	3	3
Depth, in(mm)	10.5 (267)	10.5 (267)
Net Weight, lb(kg)	13 (5.9)	15 (6.8)
Shipping Weight, lb(kg)	23 (10.4)	25 (11.3)

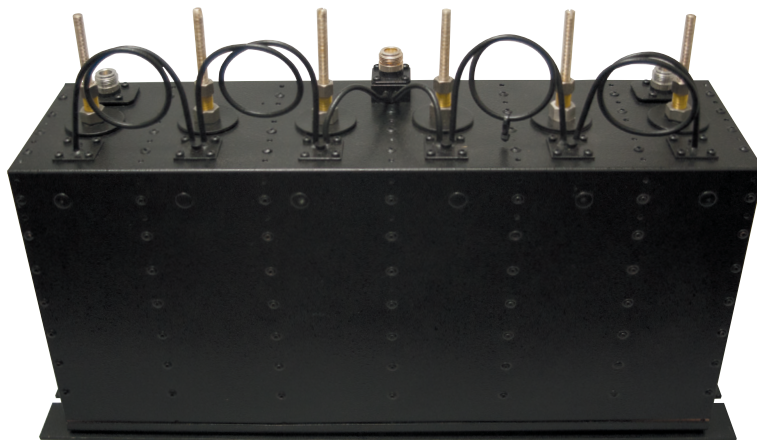
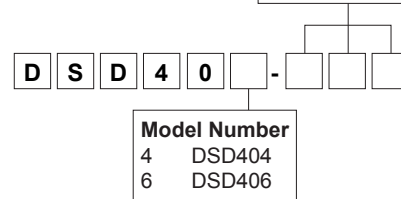
FEATURES AND BENEFITS

- High quality, tunable capacitor in each cavity generates reject frequency.
- Invar rod, with nearly zero expansion, assures frequency stability over wide temperature range.
- Input/output connectors are DC Grounded for lightning/static protection.
- Versatile mounting horizontally or vertically on flat surface or in standard EIA 19-inch rack.
- DSD406 includes bandpass cavities on transmit and receive side to provide protection at congested sites.
- For single channel operation.

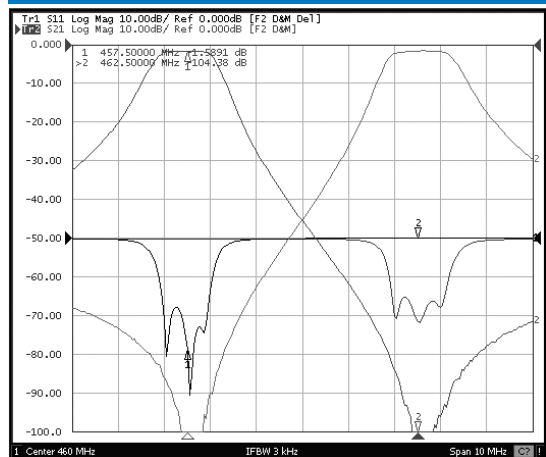
These duplexers use quarterwave coaxial resonators, interconnected in a bandpass-band reject configuration. DSD406 model provides extra bandpass filtering for use at multi-user sites.

ORDERING INFORMATION

Frequency	
380	370-410
406	406-420
450	450-470
470	470-512



SELECTIVITY CURVE



DSD406-450

