

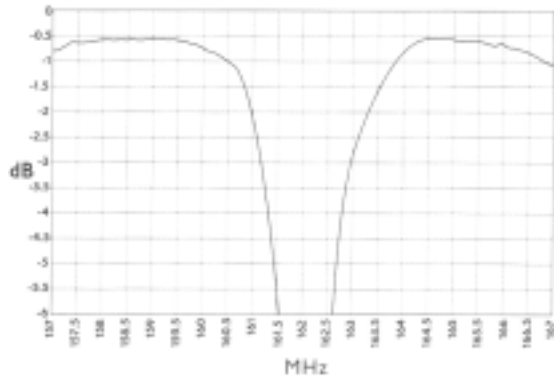
## Duplexfilter

Sigma SDX Series 140-240 and 380-512 MHz

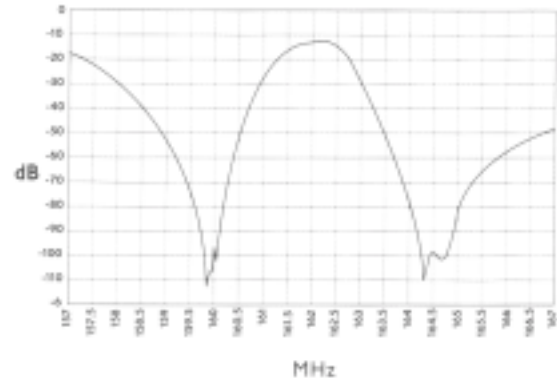


Specification	SDX150	SDX200	SDX220	SDX410	SDX440	SDX460
Frequency bands	140-175 MHz					
Duplex spacing (adjustable)	4-11 MHz	4-11 MHz	4-11 MHz			
Insertion loss	1 dB max	1 dB max	1 dB max			
	(typ 0,7)	(typ 0,7)	(typ 0,7)	(typ 0,7)	(typ 0,7)	(typ 0,7)
Isolation	1 dB max	1 dB max	1 dB max	1,5 dB max	1,5 dB max	1,5 dB max
Return loss (VSWR)	80 dB min	80 dB min	80 dB min	80 dB min	80 dB min	80 dB min
	(1,3:1)	(1,3:1)	(1,3:1)	(1,3:1)	(1,3:1)	(1,3:1)
Input power (cont)	100 W max	100 W max	100 W max	100 W max	100 W max	100 W max
Bandwith (notch)	125 kHz min	125 kHz min	125 kHz min	125 kHz min	125 kHz min	125 kHz min
Operating temperature	-20° - +55° C	-20° - +55° C	-20° - +55° C	-20° - +55° C	-20° - +55° C	-20° - +55° C
Frequency stability	Better than 10 ppm / ° C		Better than 10 ppm / ° C		Better than 10 ppm / ° C	
Type of resonator	Helical					
Number of cavities	6					
Connector	Type N socket					
Height	40mm					
Width	140 mm (excluding connectors)					
	(Note: Tuning screws protrude a further 13 mm at the highest frequency)					
Weight	SDX150, 200, 220 = 1,2 kg SDX410, 440, 460 = 1,5 kg					

**Duplexfilter**  
**Sigma SDX Series 140-240 and 380-512 MHz**



Typical Insertion Loss SDX460



Typical Attenuation SDX460

