

# DATA SHEET

## 4-dB Ferrite Waveguide Attenuator 500 MHz, 250 kW

DESY-MHFe, Vers. 1.0

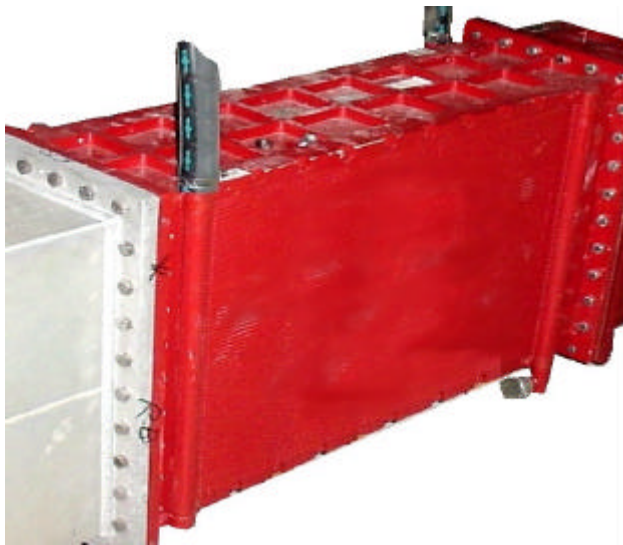
June 2004

Type: WFHA 3-1

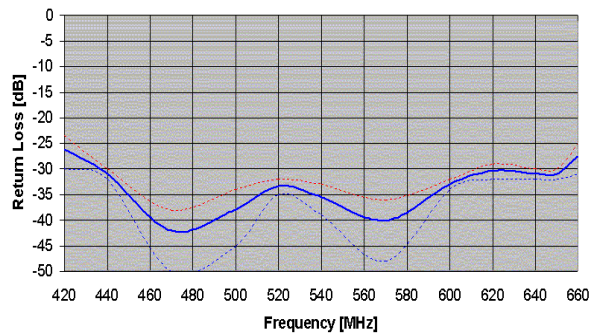
Manufacturer: S.P.A.Ferrite, Domen, St. Petersburg, Ru

### Technical Data:

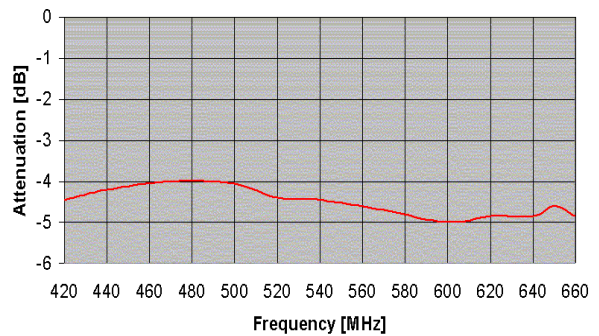
	unit	min.	nom.	max.	remarks
frequency range	MHz	440	500	620	return loss > 30dB
attenuation	dB	4		5	
return loss	dB		35		
average power dissipation	kW		150		surface temperature must always be below 100°C
average input power	kW		250		@ output VSWR < 1.2
peak input power	kW		1000		@ output VSWR < 1.2
water flow	m <sup>3</sup> /h		4,5		
inlet water pressure	bar		9		
pressure drop	bar			2,5	@ nominal flow
outlet water temperature	°C			70	
waveguide flange:					WR-1800
bolt pattern:					DESY drawing No H3-3/1-1a(1)



**4-dB / 250-kW Waveguide Attenuator**  
(Low Level Measurement)



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**4-dB / 250-kW Attenuator**  
**Attenuation vs RF Power**

