

# DATA SHEET

## 2-dB Ferrite Waveguide Attenuator 500 MHz, 400 kW

DESY-MHFe, Vers. 1.0

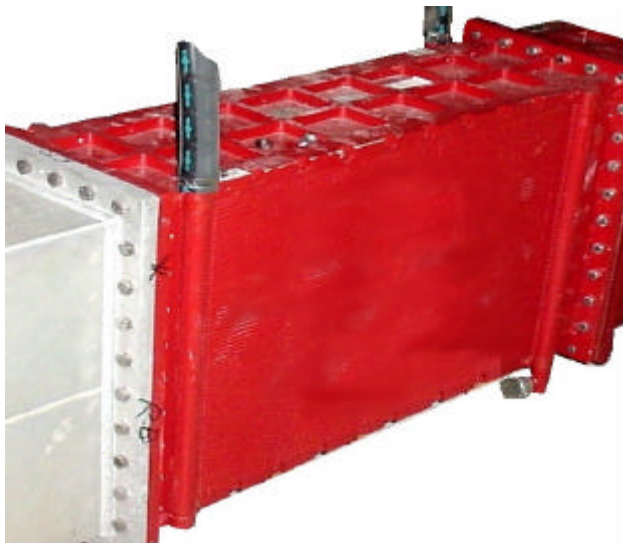
June 2004

Type: WFHA 3-1

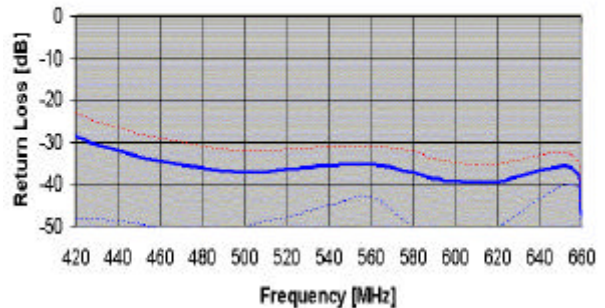
Manufacturer: S.P.A.Ferrite, Domen, St. Petersburg, Ru

### Technical Data:

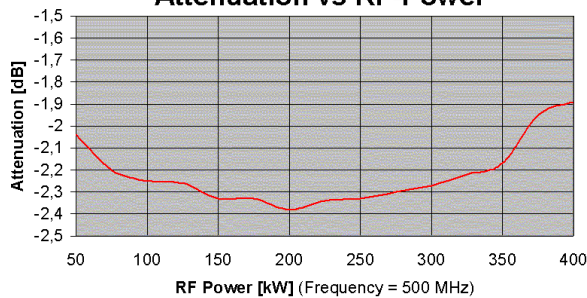
	unit	min.	nom.	max.	remarks
frequency range	MHz	430	500	640	return loss > 30dB
attenuation	dB	2		2,5	
return loss	dB		35		
average power dissipation	kW		150		surface temperature must always be below 100°C
average input power	kW		400		@ output VSWR < 1.2
peak input power	kW		1600		@ output VSWR < 1.2
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)				



**2-dB / 400-kW Waveguide Attenuator**  
(Low Level Measurement)



**2-dB / 400-kW Attenuator**  
**Attenuation vs RF-Power**



**2-dB / 400-kW Waveguide Attenuator**  
(Low Level Measurement)

