

# DATA SHEET

## Ferrite Waveguide Load 500 MHz, 100 kW

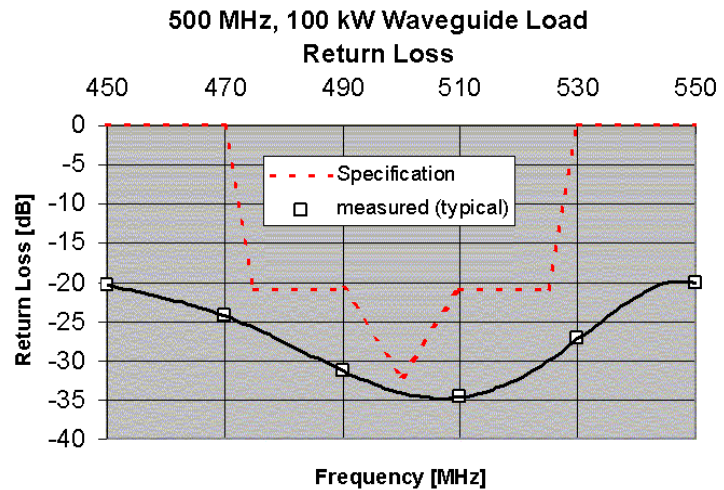
DESY-MHFe, Vers. 1.1

October 2007

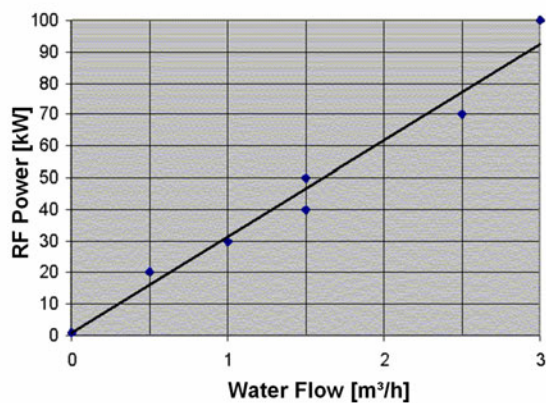
Type: FWLH 3-2  
 Manufacturer: S.P.A.Ferrite, Domen, St. Petersburg, Ru

### Technical Data:

	unit	min.	nom.	max.	remarks
frequency range	MHz	490	500	520	return loss > 30dB
average power	kW		100	150	surface temperature must always be below 100°C
peak power	kW			1000	
water flow	m <sup>3</sup> /h		3	4	
pressure at water inlet	bar			9	
pressure drop	bar			4,5	@ nominal flow
outlet water temperature	°C			70	
waveguide flange:		WR-1800			
bolt pattern:		DESY drawing No H3-3/1-1a(1)			



**RF Power and Water Flow for 100°C Surface Temperature**



**Pressure Drop**

