

DATA SHEET

3-Port Y-Circulator 500 MHz, 1000 kW

DESY-MHFe, Vers. 1.0

February 2005

Type:

Manufacturer: **AFT, Backnang, Germany**

Technical Data:

	unit	min.	nom.	max.	remarks
frequency range	MHz	485	500	515	at Isolation ≥ 20 dB
forward power	kW		1500		1000 kW @ full reflection
reverse power	kW		600		
attenuation	dB		0.08	0.1	@ centre frequency
isolation	dB	26			@ centre frequency
return loss	dB	26			@ centre frequency
bias	A			6	Ri = 5 Ohm
power dissipation	kW			40	
water flow rate	m ³ /h		3.6		
inlet water pressure	bar			8	test pressure 15 bar
pressure drop	bar			6	@ maximum flow rate
inlet water temperature	°C	28	30	32	
magnetic field	mT				inside gap
weight	kg		1300		
waveguide flange:	WR-1800				
bolt pattern:	DESY drawing No H3-3/1-1a(1)				

