

# DATA SHEET

## 3-Port Y-Circulator 500 MHz, 800 kW

DESY-MHFe, Vers. 1.0

February 2005

Type: **0500.764.00 SI**

Manufacturer: **AFT, Backnang, Germany**

### Technical Data:

	unit	min.	nom.	max.	remarks
frequency range	MHz	490	500	510	at Isolation $\geq 20$ dB
forward power	kW		800		full reflection
reverse power	kW		800		
attenuation	dB			0.1	at centre frequency
isolation	dB	26			at centre frequency
return loss	dB	26			at centre frequency
bias	A			10	
power dissipation	kW			40	
water flow	m <sup>3</sup> /h	3			
inlet water pressure	bar			8	test pressure 15 bar
pressure drop	bar				
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)				

