



### Features

- Wide Band: DC to 67 GHz
- Low Insertion loss: 0.5dB Max.
- Long Life:  $0.2 \times 10^6$  revolutions

### Applications

- Communication Systems
- Receivers Systems
- Radar Systems

### Electrical Specifications

Frequency	DC to 10 GHz	10 to 26 GHz	26 to 50 GHz	50 to 67 GHz
Average power capability	10 W	5 W	3 W	1 W
VSWR	1.1	1.2	1.3	1.4
VSWR variation over rotation	0.02	0.04	0.08	0.1
Insertion loss	0.2 dB	0.3 dB	0.4 dB	0.5 dB
Insertion loss variation over rotation	0.02 dB	0.04 dB	0.08 dB	0.1 dB
Phase variation over rotation	1 deg	2 deg	3 deg	4 deg
Peak power capability	1 kW			
DC carrying capability	0.2 A			

### Mechanical & Environmental Specifications

connector	1.85-f (50 $\Omega$ )
Rotating speed	300 rpm max. 200 rpm nominal
Life	$0.2 \times 10^6$ revolutions
Torque	0.5 Ncm @ start-up 0.5 Ncm @ rotation
Interface loads	$\pm 0.5$ N in axial direction $\pm 0.5$ N in radial direction
Case material	copper alloy and stainless steel
Case surface finish	partially gold plated
IP protection	IP50
Weight	0.03 kg
Operation temperature	-40°C to +60°C
Storage temperature	-55°C to +80°C
Humidity	95% (non-condensing) max

Yach reserves the right to change this datasheet without notice!

Outline Drawing : All Dimensions in mm. Tolerance  $\pm 0.25$ .

