

## Two-ways Coaxial Power Divider

P/N: YX-PD2-1G-18G

### Features

- It can realize the customized design scheme
- Excellent amplitude and phase consistency
- Low loss and High isolation



### Typical Applications

- Mobile communication field
- GSM,LTE,5G
- Satellite radar, electronic countermeasures
- Test equipment

Electrical&Mechanical Specifications				
Parameter	Min.	Typ.	Max.	Units
Frequency Range	1		18	GHz
Insertion Loss		3.8	4.2	dB
Isolation	16	18	20	dB
Input VSWR		1.4	1.6	: 1
Output VSWR		1.4	1.6	: 1
Amplitude Imbalance		0.3	0.4	dB
Phase Imbalance		3	5	deg
Power Rating	Forward Power	30		
	Reverse Power	1		
	Peak Power	300 (10% Duty Cycle, 1 us Pulse Width)		
Impedance		50		
Weight		NA		
Input / Output Connectors		SMA – Female		
Material		Aluminum		
Finish		Oxidation sandblasting		

## Environmental Specifications

Operational Temperature	-40°C~+85°C
Storage Temperature	-50°C~+105°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25gRMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions

## Outline Drawing:

All Dimensions in mm (inches)

Outline Tolerances  $\pm 0.5$  (0.02)

Mounting Holes Tolerances  $\pm 0.2$  (0.008)

