

*High Quality, Good Faith, High Efficiency.*



**YERIC**

The talent states determine the quality, and quality witness real strength.



**SHENZHEN YERIC COMMUNICATIONS  
TECHNOLOGY CO.,LTD**



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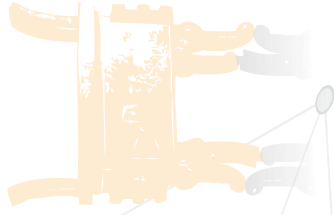
Address: 4th Room, 69th Floor, Guanglan Road, Guanlan Xincheng  
Community, Longhua New District, Shenzhen City.  
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[www.yeric-tech.com](http://www.yeric-tech.com)

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Create Value For Our Customers And The Society Continuously.



## Catalogue

Company introduction	p1-p3
Hybrid Coupler	p4-p5
Multiband Combiners	p6-p16
POI	p17
Filter	p18
Duplexer	p19-p20
Power Splitter	p21
Coupler	p22
Omni Antenna	p23-p26
MIMO Panel Antenna	p27-p28
Connectors	p29
Attenuator	p30
Power Load	p31
Feeder Cable	p32

# 深圳市阔睿通讯科技有限公司

SHENZHEN YERIC COMMUNICATIONS TECHNOLOGY CO.,LTD.



The talent states determine the quality, and quality witness real strenght. **High Quality,Good Faith, High Efficiency.**

## Company Introduction

Shenzhen Yeric Communications Technology Company, mainly engages in R&D, production and marketing of wireless communication products and integrated services and solutions of communication system.

Yeric has 3 branches and 18 cooperation partners in global market.

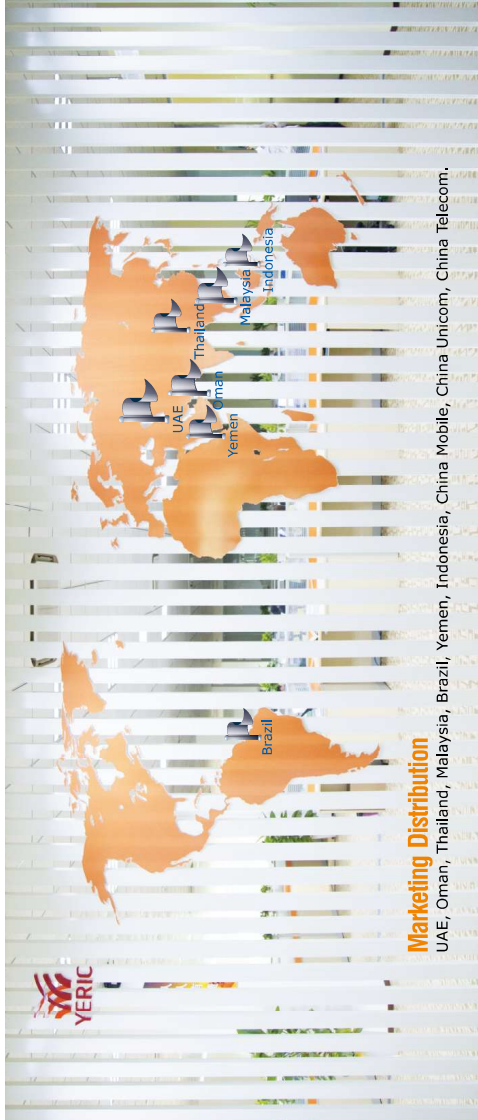
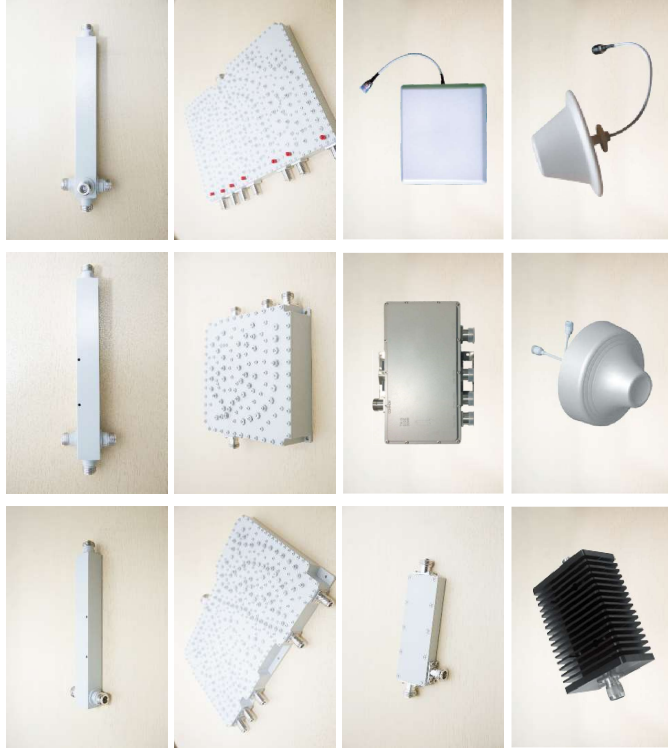
Yeric brand has been widely recognized by domestic and foreign communication operators. The company has obtained the qualification of global supplier to the major equipment manufacturers like Ericsson, Huawei and ZTE, to develop business worldwide.

**Products Include**

**Base Station Site Product**



**In-Building Coverage Product**



**Marketing Distribution**

UAE, Oman, Thailand, Malaysia, Brazil, Yemen, Indonesia, China Mobile, China Unicom, China Telecom.

**Cooperation Partners**



## YRH698-2700-2\*2



Hybrid Coupler 2×2

### Features

- ★Wide frequency band: 698 to 2700MHz
- ★High power capacity and Isolation
- ★Low insertion loss
- ★Extremely low PIM
- ★High ingress protection: supporting indoor and outdoor applications

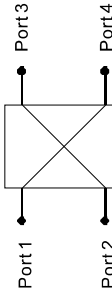
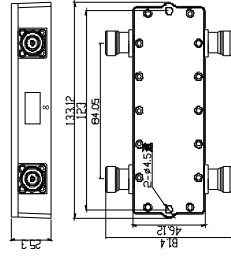
Product Model	YRH698-2700-2*2
Frequency Range	698~2700MHZ
Insertion Loss	3.05dB±0.5dB
Isolation	≥23.5dB
Inter-modulation	≤-150dBc(@2x43dBm)
Power Capacity	Avg.≤300W
Weight	≤380g
Dimension	133×81×25mm
VSWR	≤1.25
Impedance	50Ω
Operating Temperature	-25°C~+70°C
Relative Humidity	0~95%
Ingress Protection	IP67
Connector	DIN-Female

### Product index

Frequency Range	698~2700MHZ
Product Model	YRH698-2700-4*4
Coupling Attenuation	6.1dB±0.9dB
Isolation	≥23.5dB
Inter-modulation	≤-150dBc(@2x43dBm)
Power Capacity	Avg.≤300W
Weight	≤3.5Kg
Dimension	312.4×250×86mm
VSWR	≤1.25
Impedance	50Ω
Operating Temperature	-35°C~+65°C
Relative Humidity	5~95%
Ingress Protection	IP67
Connector	DIN-Female

### Product index

### Sketch Diagram



## YRH698-2700-4\*4



Hybrid Coupler 4×4

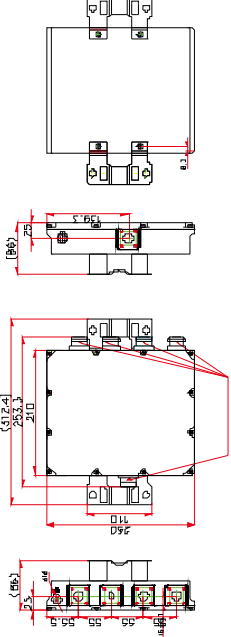
### Features

- ★Wide frequency band: 698 to 2700MHz
- ★High power capacity and Isolation
- ★Low insertion loss
- ★Ultra low PIM
- ★High ingress protection: supporting indoor and outdoor applications

Frequency Range	698~2700MHZ
Product Model	YRH698-2700-4*4
Coupling Attenuation	6.1dB±0.9dB
Isolation	≥23.5dB
Inter-modulation	≤-150dBc(@2x43dBm)
Power Capacity	Avg.≤300W
Weight	≤3.5Kg
Dimension	312.4×250×86mm
VSWR	≤1.25
Impedance	50Ω
Operating Temperature	-35°C~+65°C
Relative Humidity	5~95%
Ingress Protection	IP67
Connector	DIN-Female

### Product index

### Sketch Diagram



## YRCB08&09-18&21



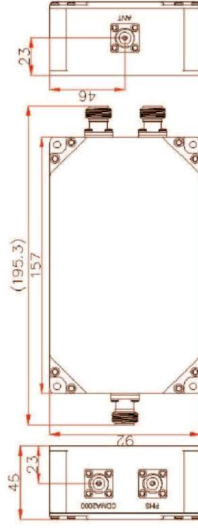
Dual Band Combiner

### Features

- ★High isolation between different both input ports
- ★Lower insertion loss
- ★Higher reliability
- ★Easy installation for indoor and outdoor

Product index		YRCB08&09-18&21
Product Model	800~960MHz	YRCB08&09-18&21
Frequency Range	1710~2170MHz	1710~2170MHz
Insertion Loss	≤0.25dB	≤0.5dB
In band Ripple	≤0.5dB	≤0.5dB
Rejection	≥80dB@1710~2170MHz	≥80dB@800~960MHz
VSWR	≤1.25	≤1.25
Impedance	50Ω	50Ω
Power Capacity	Avg.300W	Avg.300W
Inter-modulation	≤-150dBc(@43dBm×2)	≤-150dBc(@43dBm×2)
Working Temperature	-25℃~65℃	-25℃~65℃
Connection Model	N-Female	N-Female
Ingress Protection	IP55	IP55
Dimensions(L*W*H)	157×93×46mm	157×93×46mm
Weight	1.0kg	1.0kg
Relative Humidity	5%~95%	5%~95%
MTBF	>100,000Hours	>100,000Hours

### Sketch Diagram



## YRCB18-21



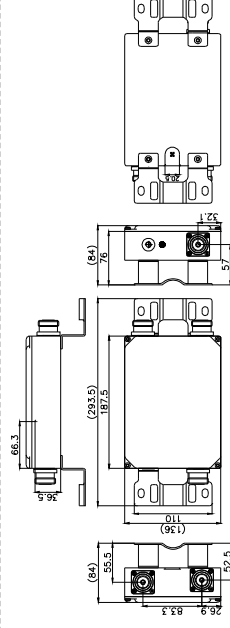
Dual Band Combiner

### Features

- ★High isolation between different both input ports
- ★Lower insertion loss
- ★Higher reliability
- ★Easy installation for indoor and outdoor

Product index		YRCB18-21
Parameters	Indicator	YRCB18-21
Product Model	1710 ~ 1880MHz	1920 ~ 2170MHz
Frequency Range	≤0.3dB	≤0.35dB
Insertion Loss	≤0.25dB	≤0.3dB
In band Ripple	≥60dB@1920 ~ 2170MHz	≥60dB@1710 ~ 1880MHz
Rejection	≤1.25	≤1.25
VSWR	Support	Support
DC by Pass	≤3A	≤3A
DC pass Current	50Ω	50Ω
Impedance	≤-150dBc(@43dBm×2)	≤-150dBc(@43dBm×2)
Inter-modulation	Avg.≤300W	Avg.≤300W
Power Capacity	184×91×37mm	184×91×37mm
Overall Dimensions(L*W*H)	DIN-Female	DIN-Female
Connection Model	-30℃ ~ +70℃	-30℃ ~ +70℃
Working Temperature	5% ~ 95%	5% ~ 95%
Relative Humidity	1.9Kg	1.9Kg
Weight	>100,000Hours	>100,000Hours
MTBF	IP67	IP67
Ingress Protection		

### Sketch Diagram





## YRCB07&08&09-18&21



Dual Band Combiner

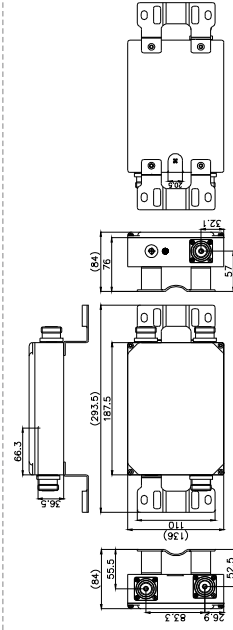
### Features

- ★ High isolation between different both input ports
- ★ Lower insertion loss
- ★ Higher reliability
- ★ Easy installation for indoor and outdoor

### Product index

Parameters	Indicator
Product Model	YRCB07&08&09-18&21
Frequency Range	698 ~ 960MHz
Insertion Loss	≤0.35dB
In band Ripple	≤0.25dB
Rejection	≥55dB@1710 ~ 2170MHz
VSWR	≤1.25
DC by Pass	Support
DC pass Current	≤3A
Impedance	50Ω
Inter-modulation Distortion	≤-150dBc(@43dBm×2)
Power Capacity	Avg. ≤300W
Overall Dimensions(L*W*H)	148×68×41mm
Connection Model	DIN-Female
Working Temperature	-30°C ~ +75°C
Relative Humidity	5% ~ 95%
Weight	1.9Kg
MTBF	>100,000Hours
Ingress Protection	IP67

### Sketch Diagram



## YRCB07&08&09-26



Dual Band Combiner

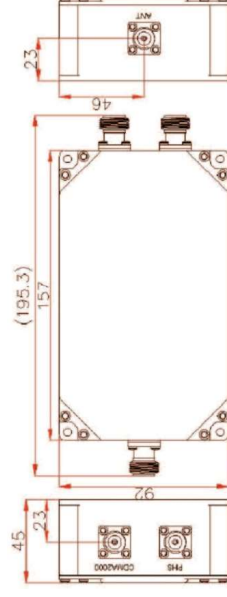
### Features

- ★ High isolation between different both input ports
- ★ Lower insertion loss
- ★ Higher reliability
- ★ Easy installation for indoor and outdoor

### Product index

Parameters	Indicator
Product Model	YRCB07&08&09-26
Frequency Range	698 ~ 960MHz
Insertion Loss	≤0.35dB
In band Ripple	≤0.25dB
Rejection	≥80dB@2300 ~ 2690MHz
VSWR	≤1.25
Impedance	50Ω
Inter-modulation Distortion	≤-150dBc(@2×43dBm)
Power Capacity	Avg. ≤300W
Overall Dimensions(L*W*H)	157×93×46mm
Connection Model	N-Female
Working Temperature	-30°C ~ +70°C
Relative Humidity	5% ~ 95%
Weight	1.9Kg
MTBF	>100,000Hours
Ingress Protection	IP55

### Sketch Diagram



## YRCB18&21-26



Dual Band Combiner

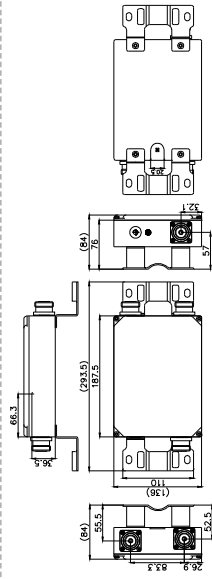
### Features

- ★ High isolation between different both input ports
- ★ Lower insertion loss
- ★ Higher reliability
- ★ Easy installation for indoor and outdoor

### Product Index

Parameters	Indicator
Product Model	YRCB18&21-26
Frequency Range	1710 ~ 2170MHz
Insertion Loss	≤0.3dB
In band Ripple	≤0.25dB
Rejection	≥60dB@2300 ~ 2690MHz
VSWR	≤1.25
DC by Pass	Support
DC pass Current	≤3A
Impedance	50Ω
Inter-modulation Distortion	≤-150dBc(@2×43dBm)
Power Capacity	Avg.≤300W
Overall Dimensions(L*W*H)	184×91×37mm
Connection Model	DIN-Female
Working Temperature	-30°C ~ +70°C
Relative Humidity	5% ~ 95%
Weight	1.9Kg
MTBF	>100,000Hours
Ingress Protection	IP67

### Sketch Diagram



## YRCB08&09-18-21



Tri-band Combiner

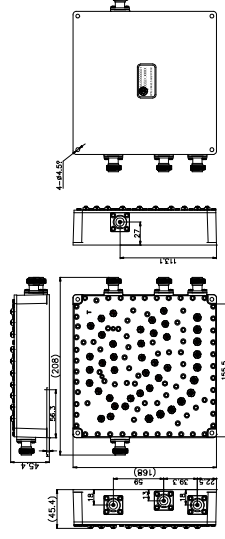
### Features

- ★ Low PIM
- ★ Low insertion loss
- ★ High rejection
- ★ DC by pass
- ★ For indoor and outdoor applications

### Product index

Product Model	YRCB08&09-18-21	
Frequency Range	800~960MHz	1710~1880MHz
Insertion Loss	≤0.25dB	≤0.3dB
Rejection	≥60dB@1710~1880MHz	≥60dB@806~960MHz
Power Capacity	≥60dB@1920~2170MHz	≥60dB@1710~1880MHz
Inter-modulation	Avg.≤300W	≤-150dBc(@43dBm×2)
VSWR	≤1.25	≤0.25
Ripple in Band	50Ω	0~95%
Impedance	50Ω	-30°C~+70°C
Relative Humidity	0~95%	271×184×79.5mm
Working Temperature	-30°C~+70°C	≤4.5Kg
Ingress Protection	IP55	N-Female
Dimension	271×184×79.5mm	>100,000Hours
Weight	≤4.5Kg	
Connector	N-Female	
MTBF	>100,000Hours	

### Sketch Diagram



## YRCB18-21-26D



Tri-band Combiner

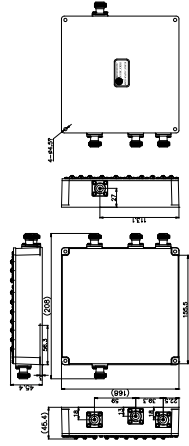
### Features

- ★ DC by pass optional
- ★ Designed for BTS signals combination
- ★ Low PIM
- ★ Low insertion loss
- ★ High rejection
- ★ For indoor and outdoor applications

### Product index

Product Model	YRCB18-21-26D	
Frequency Range	1710~1880MHz	2500~2690MHz
Insertion Loss	≤0.3dB	≤0.3dB
In band Ripple	≤0.25dB	≤0.25dB
Rejection	≥55dB@2500~2690MHz ≥55dB@1920~2170MHz	≥55dB@2500~2690MHz ≥55dB@1710~1880MHz
DC by Pass	Support	
DC pass Current	≤3A	
Power Capacity	Avg.≤300W	
Weight	≤3Kg	
Dimension	257×170×68mm	
Inter-modulation	≤-150dBc(@43dBm×2)	
VSWR(Return Loss)	≤1.25	
Impedance	50Ω	
Operating Temperature	-40°C~+65°C	
Relative Humidity	0~95%	
Ingress Protection	IP67	
MTBF	>100,000Hours	
Connector	DIN-Female	
Mounting Kit	Hose Clamps in Stainless Steel	

### Sketch Diagram



## YRCB07&08&09-18&21-26D



Tri-band Combiner

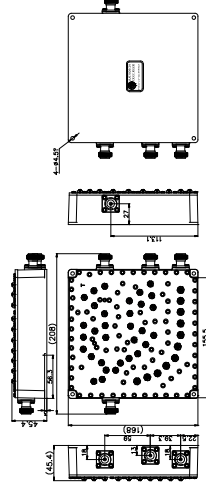
### Features

- ★ Low PIM
- ★ Low insertion loss
- ★ High rejection
- ★ Indoor and outdoor applications

### Product index

Frequency Range	Port 1	Port 2	Port 3
Insertion Loss	698~960MHz ≤0.25dB(698~960MHz) ≥50dB@1710~1880MHz ≥50dB@1920~2170MHz	1710~2170MHz ≤0.35dB(1710~2180MHz) ≥50dB@698~960MHz ≥50dB@2300~2690MHz	2300~2690MHz ≤0.35dB(2300~2690MHz) ≥50dB@698~960MHz ≥50dB@1710~2170MHz
DC by Pass	Support		
DC pass Current	≤3A		
Power Capacity	Avg.≤300W		
Inter-modulation	≤-150dBc(@2×43dBm)		
VSWR(Return Loss)	≤1.25		
Impedance	50Ω		
Operating Temperature	-40°C~+65°C		
Relative Humidity	0~95%		
MTBF	>100,000Hours		
Connector	DIN-Female		
Weight	≤3Kg		
Dimension(WHD)	257×170×68mm		
Ingress Protection	IP67		
Mounting	Wall mount or mast mount		

### Sketch Diagram





## YRCB07&08&09-18-21D



Tri-band Combiner

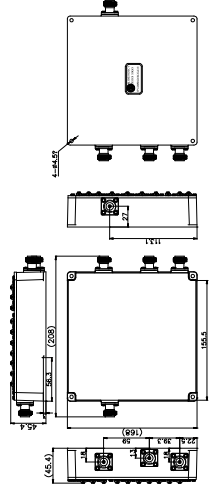
### Features

- ★ Low PIM
- ★ Low insertion loss
- ★ High rejection
- ★ DC by pass
- ★ For indoor and outdoor applications

### Product index

Product Model	YRCB07&08&09-18-21D		
Frequency Range	698~960MHz	1710~1880MHz	1920~2170MHz
Insertion Loss	≤0.25dB	≤0.3dB	≤0.3dB
Rejection	>50dB@1710~1880MHz >50dB@1920~2170MHz	>50dB@806~960MHz >50dB@1710~1880MHz	>50dB@806~960MHz >50dB@1710~1880MHz
DC by Pass	Support		
DC pass Current	≤3A		
Power Capacity	Avg.≤300W		
Inter-modulation	≤-150dBc(@43dBm×2)		
VSWR	≤1.25		
Ripple in Band	≤0.25		
Impedance	50Ω		
MTBF	>100,000Hours		
Operating Temperature	-40°C~+65°C		
Relative Humidity	0~95%		
Ingress Protection	IP67		
Dimension	271×184×79.5mm		
Weight	≤4.5Kg		
Connector	DIN-Female		

### Sketch Diagram



Qua-band Combiner

### Features

- ★ Low PIM
- ★ Low insertion loss
- ★ High rejection
- ★ DC by pass
- ★ For indoor and outdoor applications

### Product index

Product Model	YRCB07&08&09-18-21-26D			
Frequency Range	698~960MHz	1710~1880MHz	1920~2170MHz	2300~2690MHz
Insertion Loss	≤0.25dB	≤0.4dB	≤0.4dB	≤0.4dB
DC by Pass	Support			
DC pass Current	≤3A			
Rejection	≥50dB			
Power Capacity	Avg.≤300W			
Inter-modulation	≤-150dBc(@43dBm×2)			
VSWR	≤1.25			
Ripple in Band	≤0.25			
Impedance	50Ω			
MTBF	>100,000Hours			
Operating Temperature	-40°C~+65°C			
Relative Humidity	0~95%			
Ingress Protection	IP67			
Dimension	311×236.2×73.3mm			
Weight	≤5Kg			
Connector	DIN-Female			

## YRCB08&09-18&21&23-24-26



Qura-band Combiner

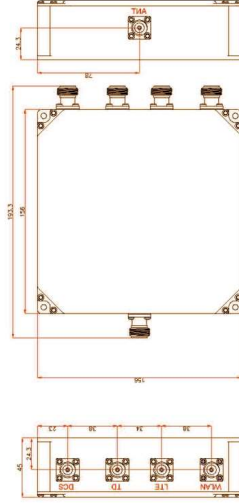
### Features

- ★ Low PIM
- ★ Low insertion loss
- ★ High reflection
- ★ DC by pass
- ★ For indoor and outdoor applications

### Product index

Product Model	YRCB08&09-18&21&23-24-26		
Frequency Range	800~960MHz	1880~2380MHz	2400~2500MHz
Insertion Loss	≤0.4dB	≤0.8dB	≤0.8dB
Ripple in Band	≤0.3dB	≤0.7dB	≤0.5dB
Isolation	≥80dB@Other Ports	≥80dB@Other Ports	≥80dB@Other Ports
VSWR	≤1.25		
Impedance	50Ω		
Power Capacity	Avg.≤300W		
Inter-modulation	≤-150dBc(@2×43dBm)		
Operating Temperature	-40°C~+65°C		
Relative Humidity	0~95%		
Connector	N-Female		
Ingress Protection	IP55		
MTBF	>100,000Hours		
Dimension	193×156×45mm		
Weight	≤4.5kg		

### Sketch Diagram



## YRPOI-9-2A



POI 9 in 2 out

### Features

- ★ Support multiple frequency access :
- ★ High Isolation between different ports :
- ★ Low PIM :
- ★ Lowest insertion loss :
- ★ Support customized requirements :

### Product index

POI Model	YRPOI-9--1A		
Parameter	Wireless System	Down Link	Up Link
Frequency Band	GSM900	934~960MHz	889~915MHz
	DCS1800	1805~1830MHz	1710~1735MHz
	TD-LTE(F/A)	1885~1915MHz	2010~2025MHz
	TD-LTE(E)	2320~2370MHz	
Insertion Loss	CDMA800	865~880MHz	820~835MHz
	LTE FDD1800(CTCC)	1860~1880MHz	1765~1785MHz
	LTE FDD2100	2110~2130MHz	1920~1940MHz
	LTE FDD1800(CUCC)	1830~1860MHz	1735~1765MHz
VSWR	WCDMA2100	2130~2170MHz	1940~1980MHz
		≤6dB	
Isolation		≤1.3	
		≥25dB DCS1800MHz@LTE FDD1800MHz	
		≥25dB LTE FDD1800MHz ( CTCC ) @LTE FDD1800MHz(CUCC)	
		≥25dB WCDMA2100MHz@LTE FDD1800MHz(CTCC)	
Inter Modulation		≥50dB LTE FDD1800MHz ( CTCC ) @TD LTE ( F )	
		≥50dB LTE FDD2100MHz @TD LTE ( F )	
Power Capacity		≥80dB Others	
		PIM ≤-150dBc(@2×43dBm)	
Ripple in Band		Input Ports: Average≤200W; peak≤1000W	
		Output Ports: Average≤500W; peak≤2500W	
Impedance		≤1.5dB	
		50Ω	
Working Temperature		-40°C ~ 55°C	
		> 200,000Hours	
MTBF		N-Female	
Connector		IP65	
Ingress Protection			15Kg
Weight			

## YRF-09-1



Filter

### Features

- ★ Low PIM
- ★ Low insertion loss
- ★ High rejection
- ★ DC by pass
- ★ For indoor and outdoor applications

#### Product index

Product Model	YRF-09-1
Frequency Range	885~909&930~954MHz
Insertion Loss	≤0.8dB(885~909&930~954MHz)
Ripple in Band	≤0.5dB(885~909&930~954MHz)
Rejection	≥60dB@0.3~880MHz ≥80dB@1710~2200MHz
VSWR	≤1.25
Impedance	50Ω
Power Capacity	Avg.≤500W
Inter-modulation	≤-150dBc(@2×43dBm)
Operating Temperature	-40°C~+65°C
Connector	DIN-Female
Ingress Protection	IP67
Dimension	243×146×58mm
Weight	2.06kg
MTBF	>100,000Hours
Relative Humidity	0~95%

#### Sketch Diagram



## YRDP-LTE26-1



Duplexer

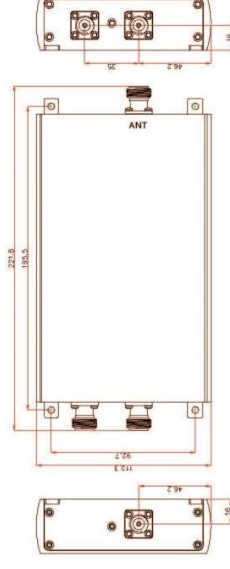
### Features

- ★ Low PIM
- ★ Low insertion loss
- ★ High rejection
- ★ DC by pass
- ★ For indoor and outdoor applications

#### Product index

Product Model	YRDP-LTE26-1
Frequency Range	Rx:2500~2570MHz Tx:2620~2690MHz
Insertion Loss	≤0.8dB
Ripple in Band	≤0.6dB
Rejection	≥80dB@2620~2690MHz ≥80dB@2500~2570MHz
VSWR	≤1.25
Impedance	50Ω
Power Capacity	Avg.≤300W
Inter-modulation	≤-150dBc(2×43dBm)
Operating Temperature	-40°C~+65°C
Relative Humidity	0~95%
Connector	N-Female
Ingress Protection	IP55
MTBF	>100,000Hours
Dimension	221×112×32mm
Weight	2.1kg

#### Sketch Diagram



## YRDP-LTE26-1



Duplexer

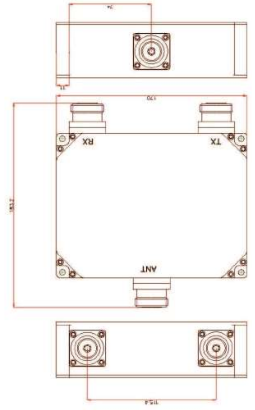
### Features

- ★ Low PIM
- ★ Low insertion loss
- ★ High rejection
- ★ DC by pass
- ★ For indoor and outdoor applications

Product Model		YRDP-LTE26-1	
Frequency Range	Rx:885~909MHz	Tx:930~954MHz	
Insertion Loss	≤0.8dB(885~909&930~954MHz)		
Ripple in Band	≤0.5dB(885~909&930~954MHz)		
Rejection	≥80dB@930~954MHz	≥80dB@885~909MHz	
VSWR	≤1.25		
Impedance	50Ω		
Power Capacity	Avg.≤500W		
Inter-modulation	≤-150dBc(@2×43dBm)		
Operating Temperature	-40°C~+65°C		
Relative Humidity	0~95%		
Connector	DIN-Female		
Ingress Protection	IP67		
Dimension	130×170×54mm		
Weight	1.66kg		
MTBF	>100,000Hours		

Product index

### Sketch Diagram



## YRS698-2700-2/-3/-4



2 Way / 3 Way / 4 Way Power Splitter

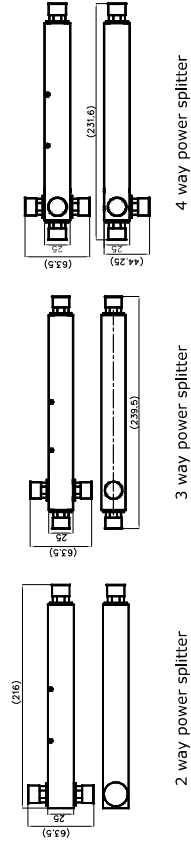
### Features

- ★ Wide frequency band: 698 to 2700MHz.
- ★ High power capacity and isolation
- ★ Low insertion loss
- ★ Extremely low PIM
- ★ High ingress protection: support indoor and outdoor applications

Frequency Range		698~2700MHZ	
Product Model	YR698-2700-2	YR698-2700-3	YR698-2700-4
Configuration	1:2	1:3	1:4
Distribution Loss	3.0dB	4.8dB	6.0dB
Insertion Loss(Exclude Distribution Loss)	≤0.3dB	≤0.3dB	≤0.3dB
Weight	≤0.35Kg	≤0.38Kg	≤0.45Kg
Dimension	198×60×25mm	215×60×25mm	240×60×43mm
Inter-modulation	≤-150dBc(@2×43dBm)		
Power Capacity	Avg.≤300W		
VSWR	≤1.25		
Impedance	50Ω		
Operating Temperature	-25°C~+70°C		
Relative Humidity	0~95%		
Ingress Protection	IP65		
Connector	N-Female		

Product index

### Sketch Diagram



## YRCP698-2700-5/-6/-7/-8/-10/-13/-15/-20/-25/-30/-35/-40



Coupler

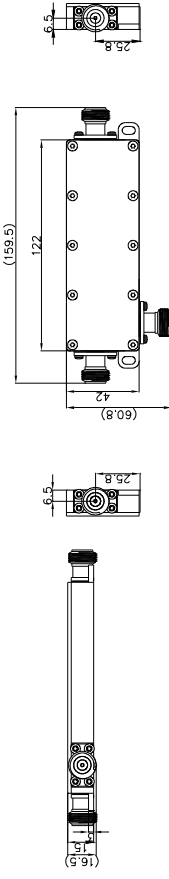
### Features

- ★Wide bandwidth
- ★Low insertion loss
- ★Low PIM
- ★Small volume, Light weight
- ★Higher power capacity
- ★Application for indoor using

Product Model	YRCP698-2700-5	YRCP698-2700-6	YRCP698-2700-7	YRCP698-2700-8
Mean Coupling	5.0±0.8	6.0±0.8	7.0±0.8	8.0±0.8
Product Model	YRCP698-2700-10	YRCP698-2700-13	YRCP698-2700-15	YRCP698-2700-20
Mean Coupling	10±1.0	13±1.0	15±1.0	20±1.2
Product Model	YRCP698-2700-25	YRCP698-2700-30	YRCP698-2700-35	YRCP698-2700-40
Mean Coupling	25±1.2	30±1.2	35±1.5	40±1.5
Frequency Range	698~2700MHz			
Inter-modulation	≤-150dBc(@2×43dBm)			
Directivity	≥20dB			
Insertion Loss (Exclude Distribution Loss)	≤0.5dB(5~10dB) ≤0.3dB(12~40dB)			
Weight	≤0.32Kg			
Dimension	153×60×22mm			
Power Capacity	Avg.300W			
VSWR	≤1.25			
Impedance	50Ω			
Operating Temperature	-25°C~+70°C			
Relative Humidity	0~95%			
Ingress Protection	IP65			
Connector	N-Female			

### Product index

### Sketch Diagram



## YRA0698-2700-3



Omni Antenna

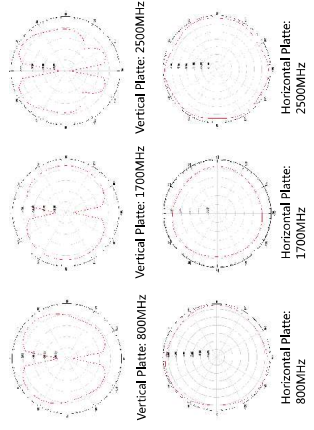
### Features

- ★LTE ready and wide frequency band: including CDMA800, GSM900,DCS1800,UMTS2100,CDMA1900 LTE2600,WIFI
- ★Input power 50 Watt maximum
- ★Low VSWR/Return loss
- ★Aesthetically designed, compact and light weight
- ★Off-white (ABS) Radome
- ★Extend a Low Loss pig tail cable

Product Model	YRA0698-2700-3	
Frequency Range	698~800MHz	800~960MHz
VSWR	≤1.8	≤1.5
Gain	1.5dBi±0.5	2dBi±0.5
Polarization	Vertical	
Azimuth Beamwidth	360°	
Weight	≤0.4Kg	
Dimension(D×H)	Ø186mm×85mm	
Power Capacity	50W max.	
Impedance	50Ω	
Radome Material	ABS	
RF Connector	N-Female	
Radome Color	White	
Operating Temperature	-40°C~+60°C	
Relative Humidity	0~95%	

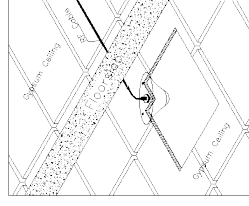
### Product index

### Antenna Pattern

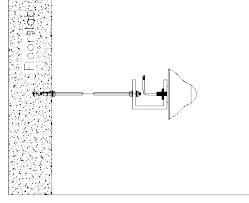


### Mounting

Omni Antenna Fixed Under Plaster or Removable ceiling



Omni Antenna Fixed with Rod and Hook



## YRA0800-2700-3



### Omni Antenna

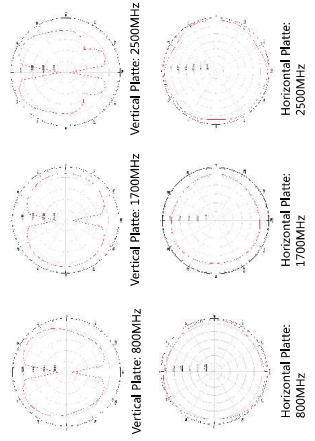
#### Features

- ★LTE ready and wide frequency band: including CDMA800, GSM900,DCS1800,UMTS2100,CDMA1900,LTE2600,WIFI
- ★Input power 50 Watt maximum
- ★Low VSWR/Return loss
- ★Aesthetically designed, compact and light weight
- ★Off-white (ABS) Radome
- ★Extend a Low Loss pig tail cable

#### Product index

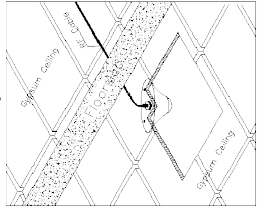
Product Model	YRA0698-2700-3	
Frequency Range	800~960MHz/1710~2500MHz	2500~2700MHz
VSWR	≤1.4	≤1.5
Gain	3dBi	
Polarization	Vertical	
Azimuth Beamwidth	360°	
Weight	≤0.4Kg	
Dimension(D×H)	Ø186mm×87mm	
Power Capacity	50W max.	
Impedance	50Ω	
Radome Material	ABS	
RF Connector	N-Female	
Radome Color	White	
Operating Temperature	-30°C~+60°C	
Relative Humidity	0~95%	

#### Antenna Pattern

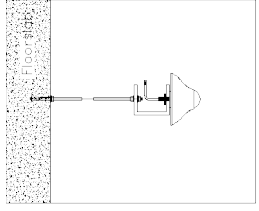


#### Mounting

Omni Antenna Fixed Under Plaster or Removable ceiling



Omni Antenna Fixed with Rod and Hook



## YRA0800&2700-1710&2700-3MIMO



### Omni Antenna

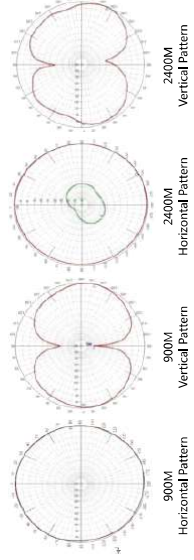
#### Features

- ★LTE ready and wide frequency band: including CDMA800, GSM900,DCS1800,UMTS2100,CDMA1900,LTE2600,WIFI
- ★Input power 50 Watt maximum
- ★Low VSWR/Return loss
- ★Aesthetically designed, compact and light weight
- ★Off-white (ABS) Radome
- ★Extend a Low Loss pig tail cable

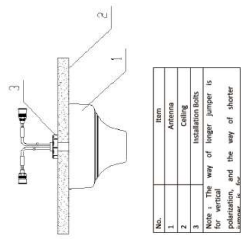
#### Product index

Product Model	YRA0800&2700-1710&2700-3MIMO	
Frequency Range	800~960MHz	1710~2300MHz 2300~2690MHz
Polarization	Vertical	Horizontal&Vertical
Gain	2dBi	3.0(H) , 3.5(V) 2.5(H) , 4.5(V)
Roundness of Pattern	≤±1dB	≤±1.5dB
Vertical-3dB Beam Width	80±10	55±10(H)/40±10(V)
Cross Polarization Ratio	/	≥15dB
Isolation Between Ports	/	≥30dB
VSWR		≤1.5
Weight		≤0.5Kg
Dimension(D×H)		Ø186mm×120mm
Power Capacity		50W max.
Impedance		50Ω
Radome Material		ABS
RF Connector		2XN-Female
Radome Color		White
Operating Temperature		-40°C~+55°C
Relative Humidity		0~95%

#### Antenna Pattern



#### Mounting





## YRAD698&2700-1710&2700-3MIMO



MIMO Omni Antenna

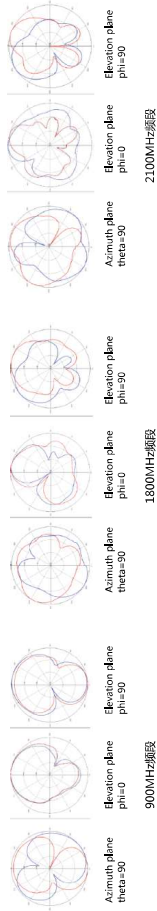
### Features

- ★ 2 input port support MIMO in high band
- ★ Input power 50 Watt maximum
- ★ Low VSWR/Return loss
- ★ Aesthetically designed, compact and light weight
- ★ Off-white (ABS) Radome
- ★ Extend a Low Loss pig tail cable

### Product index

Product Model	YRA0698&2700-1710&2700-3MIMO	
Frequency Range	698 ~ 960/1710 ~ 2700	
VSWR	≤2.0	
Gain	700MHz	2×3.5dBi
	800/900MHz	2×4.0dBi
	1800/1900/2100MHz	2×5.5dBi
	2400/2500MHz	2×5.0dBi
Efficiency	700MHz	93%
	800/900MHz	89%
	1800/1900/2100MHz	85%
	2400/2500MHz	85%
Polarization	Linear	
Intermodulation	≤-140dBc (@2×43dBm)	
Weight	0.41kg	
Dimension(D*H)	φ220×44mm	
Power Capacity	50W max.	
Operating Temperature	-40°C ~ +60°C	
Connector	2×N-Female	

### Antenna Pattern



Panel Antenna

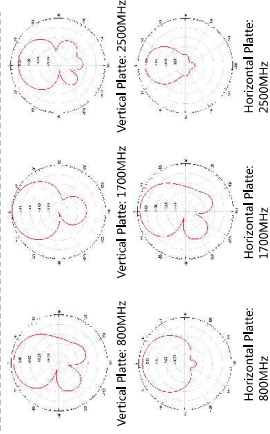
### Features

- ★ Easy installation
- ★ Suitable for indoor applications
- ★ High gain

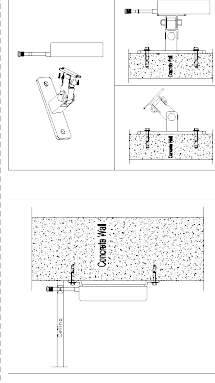
### Product index

Product Model	YRAD800-2700-7-90	
Frequency Range	806~960/1710~2200MHz	2200~2700MHz
Polarization	Vertical	
Gain	7dBi	
Horizontal-3dB Beam Width	70°	
Vertical-3dB Beam Width	60°	
Front-to-Back Ratio	>6/8dB	>8dB
VSWR	<1.4	<1.5
Impedance	50Ω	
RF Connector	N-Female	
input Protection	50W Max.	
Lightning Protection	Direct Ground	
Dimension	210×180×44mm (L×W×H)	
Radiating Element Material	Cu/Al	
Weight	0.65kg	
Radome Material	ABS	
Working Temperature	-30°C ~ +60°C	

### Antenna Pattern



### Mounting



# YRAD800-2700-7-90MIMO



MIMO Panel Antenna

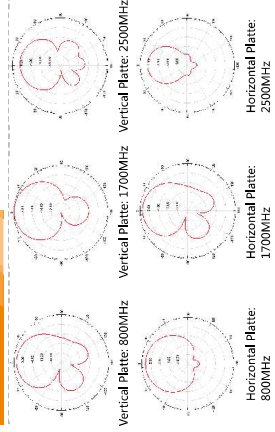
### Features

- ★ Easy installation
- ★ 2 input port support MIMO
- ★ Input power 50 Watt maximum
- ★ High gain
- ★ Extend a Low Loss pig tail cable

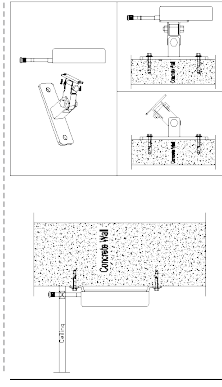
### Product index

Product Model	YRAD800-2700-7-90MIMO	
Frequency Range	806~960MHz	1710~2700MHz
Polarization	Vertical	±45°
Gain	7±1 dBi	8±1 dBi
Horizontal-3dB Beam Width	90° ±15°	65° ±12°
Vertical-3dB Beam Width	65°	60°
Front-to-Back Ratio	10/15dB	
VSWR	<1.6	
Impedance	50Ω	
RF Connector	N-Female	
Input Protection	50W Max.	
Lightning Protection	Direct Ground	
Dimension	296×180×70mm(L×W×H)	
Weight	0.65kg	
Radiating Element Material	Cu,Al	
Radome Material	ABS	
Working Temperature	-30°C~+60°C	
Connector	2×N-Female	

### Antenna Pattern



### Mounting



# Connector & Adapter



### Features

- ★ Lower insertion loss
- ★ Higher reliability
- ★ Easy installation for indoor and outdoor

### Product index

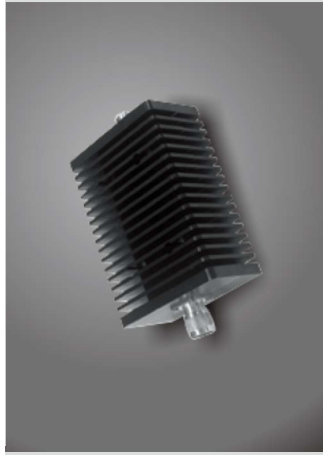
Impedance	50Ω
Dielectric Resistance	≥5000mΩ
Touch Resistance	Inner Conductors ≤1mΩ, Outer Conductors ≤1mΩ
Rated Voltage	1000V
Frequency Range	0 ~ 11GHz
Insertion Loss	≤0.12dB(0 ~ 3GHz)
Durability	Mating cycles ≥500
Voltage for Isolation	2500V
VSWR	≤1.1
Temperature Range	-55°C~+85°C



### Product index

Adaptor Type	N(F) - N(F)	N(M) - N(M)	N(M) to 7/16 DIN(F)	N(F) to TNC(M) L Angle	L Angle adaptor N(M) to N(F)	TNC(M) to N(M)	N(F) to TNC(M)
VSWR	≤1.10GHz ≤0.15GHz	≤1.10GHz ≤0.15GHz	≤1.15GHz ≤0.2GHz	≤1.15GHz ≤0.35GHz	≤1.15GHz ≤0.3GHz	≤1.15GHz ≤0.2GHz	≤1.15GHz ≤0.2GHz
Insertion Loss	50Ω						
Impedance	≥5000mΩ						
Dielectric Resistance	1000V						
Rated Voltage	0 ~ 11GHz						
Frequency Range	Mating cycles ≥500						
Durability	2500V						
Voltage for Isolation	≤1.1						
VSWR	-40°C~+85°C						
Temperature Range							

## Attenuators 50W



Attenuator

### Features

- ★ Fixed from 3dB to 15dB
- ★ Power capacity from 1w to 200w or higher
- ★ Wide operating frequency range
- ★ High power capacity
- ★ Higher reliability
- ★ Easy installation for indoor and outdoor

### Attenuators 50W

The range of power attenuators is available in rating of 1, 2, 5, 10, 25, 50, 100, 200W etc. Each power class attenuator supports attenuation level of 3, 6, 10, 15dB. The fixings of these devices are arranged to provide flexibility for inclusion within all types of equipment. A wide variety of alternative base plates can be offered with drilled and tapped holes to suit customer requirements.

#### Product index

Product Model	YRAT50W-3/6/10/15			
Frequency	0~3000MHz			
Dimension(L×W×H)	100×85×60mm			
Weight	1.0kg			
Packing Size(L×W×H)	140×125×100mm			
Shipping Weight	1.2kg			
Operating Temperature	-25°C~+65°C			
Relative Humidity	5%~95%			
Connector Type	N/M-N/F			
Grounding	DC Grounding			
Electrical Specifications	YRAT50W-3	YRAT50W-6	YRAT50W-10	YRAT50W-15
Power Consumption	50W	50W	50W	50W
Attenuation	3±0.4dB	6±0.4dB	10±0.5dB	15±0.7dB
Attenuation Accuracy	±0.5dB	±0.5dB	±0.5dB	±0.5dB
In Band Ripple	≤0.3dB	≤0.5dB	≤0.7dB	≤0.8dB
VSWR	≤1.2	≤1.2	≤1.2	≤1.2
Impedance	50Ω	50Ω	50Ω	50Ω

#### Product index

Frequency range	500~3000MHz	IP66
Product number	YRPL-100	≤-150dBc@ 2×43dBm
Power capacity	≥100W	≤1.20
Connector	DIN-Female	50Ω
Weight	≤5.0Kg	Operating temperature
Dimension	268×163×104mm	Relative humidity

## Power Load



### Features

- ★ Professional performance
- ★ Power capacity from 1w to 50w or higher
- ★ Wide operating frequency range
- ★ Higher reliability
- ★ Easy installation for indoor and outdoor



### Features

- ★ Wide frequency band: 500-3000MHz
- ★ Extremely low PIM
- ★ High power capacity
- ★ Wall or pole mounting

### Power Load

The range of termination load resistors is designed to give an economic solution to the growing need for a compact, rugged and simple termination suitable for bench or field use. The black anodized aluminum alloy heat sinks are used for maximum thermal radiation with N type connectors however other connectors may be offered to meet particular customer requirements. This series of terminations are medium power coaxial loads which operate from DC to 3GHz. Cooling fins minimize temperature rise. The terminating element is enclosed within a carefully matched coaxial housing.

#### Product index

Specifications	YRPL-2	YRPL-25	YRPL-50
Frequency	0~3000MHz	0~3000MHz	0~3000MHz
Maximum Average Power	2w	25w	50w
VSWR	≤1.2	≤1.2	≤1.2
Impedance	50Ω	50Ω	50Ω
Connector Type	N-Female	N-Female	N-Female
Weight	40g	610g	980g
Dimension	Φ20×36mm	126×70×58mm	126×85×60mm
Packing Size(L×W×H)	Φ30×48mm	146×90×88mm	146×105×90mm
Shipping Weight	120g	1110g	1480g
Operating Temperature	-55°C~+65°C	-55°C~+65°C	-55°C~+65°C
Humidity	0~95%	0~95%	0~95%
MTBF	30000Hours	30000Hours	30000Hours

#### Power Load 2

#### Product index

Frequency range	500~3000MHz	IP66
Product number	YRPL-100	≤-150dBc@ 2×43dBm
Power capacity	≥100W	≤1.20
Connector	DIN-Female	50Ω
Weight	≤5.0Kg	Operating temperature
Dimension	268×163×104mm	Relative humidity

## Feeder Cable



### Features

- ★ Land mobile and cellular radio
- ★ Earth station antenna jumper cables
- ★ Jumpers for equipments room and antenna connection
- ★ Military data links
- ★ VLF, AM and FM radio broadcast systems
- ★ Airborne and shipboard radar systems
- ★ Tactical, restoration and portable communication systems
- ★ Others

### Product index

Parameter	1/2" Feeder Cable	7/8" Feeder Cable
Jacket Material	Non-halogenated, fire retardant polyolefin	
Outer Conductor Material	Corrugated copper	
Dielectric Material	Foam PE	
Flexibility	Standard	
Inner Conductor Material	Copper tube	
Jacket Color	Black	
Operating Temperature	-30°C ~ +80°C	
Bending Moment	3.8 N·m [2.8 ft lb]	19.0 N·m [14 ft lb]
Minimum Bend Radius, Multiple Bends	127.00mm [5.00in]	254.00mm [10.00in]
Minimum Bend Radius, Single Bend	50.80mm [2.00in]	127.00mm [5.00in]
Number of Bends, Minimum	15	15
Number of Bends, Typical	50	30
Tensile Strength	113 kg	159kg
Cable Impedance	50Ω ± 1Ω	50Ω ± 1Ω
DC Resistance, Inner Conductor	4.856Ω/km	1.435Ω/km
DC Resistance, Outer Conductor	1.903Ω/km	1.116Ω/km
DC Test Voltage	4000V	6000V
Insulation Resistance	100000MΩ	100000MΩ
Jacket Spark Test Voltage(RMS)	5000V	8000V
Operating Frequency Band	1~5000MHz	1~5000MHz
Peak Power	40.0kW	91.0kW

### Product index

Frequency (MHZ)	Attenuation(dB/100m)			Average Power(kW)		
	1/2" Feeder Cable	7/8" Feeder Cable	1/2" Feeder Cable	7/8" Feeder Cable	1/2" Feeder Cable	7/8" Feeder Cable
0.5	0.149	0.076	40	91		
1	0.211	0.108	36.11	77.97		
1.5	0.259	0.132	29.46	63.61		
2	0.299	0.153	25.5	55.06		

## Feeder Cable

### Product index

Frequency (MHZ)	Attenuation(dB/100m)			Average Power(kW)		
	1/2" Feeder Cable	7/8" Feeder Cable	1/2" Feeder Cable	7/8" Feeder Cable	1/2" Feeder Cable	7/8" Feeder Cable
10	0.672	0.343	11.35	24.48		
20	0.954	0.487	7.99	17.23		
30	1.172	0.599	6.51	14.02		
50	1.521	0.777	5.02	10.81		
88	2.031	1.039	3.76	8.08		
100	2.169	1.11	3.52	7.57		
108	2.256	1.155	3.38	7.27		
150	2.673	1.369	2.85	6.14		
174	2.887	1.479	2.64	5.68		
200	3.103	1.591	2.46	5.28		
300	3.835	1.968	1.99	4.27		
400	4.462	2.292	1.71	3.67		
450	4.749	2.44	1.61	3.44		
500	5.021	2.581	1.52	3.25		
512	5.085	2.614	1.5	3.21		
600	5.533	2.846	1.38	2.95		
700	6.009	3.093	1.27	2.72		
800	6.456	3.325	1.18	2.53		
824	6.56	3.379	1.16	2.49		
894	6.855	3.533	1.11	2.38		
960	7.124	3.673	1.07	2.29		
1000	7.284	3.756	1.05	2.24		
1250	8.226	4.247	0.93	1.98		
1500	9.093	4.7	0.84	1.79		
1700	9.744	5.04	0.78	1.67		
1800	10.058	5.205	0.76	1.61		
2000	10.666	5.523	0.72	1.52		
2100	10.961	5.678	0.7	1.48		
2200	11.251	5.83	0.68	1.44		
2300	11.535	5.979	0.66	1.4		
2500	12.09	6.27	0.63	1.34		
2700	12.627	6.553	0.6	1.28		
3000	13.407	6.963	0.57	1.21		
3400	14.401	7.487	0.53	1.12		
3700	15.118	7.866	0.5	1.07		
4000	15.815	8.234	0.48	1.02		
5000	18.01	9.396	0.48	0.89		