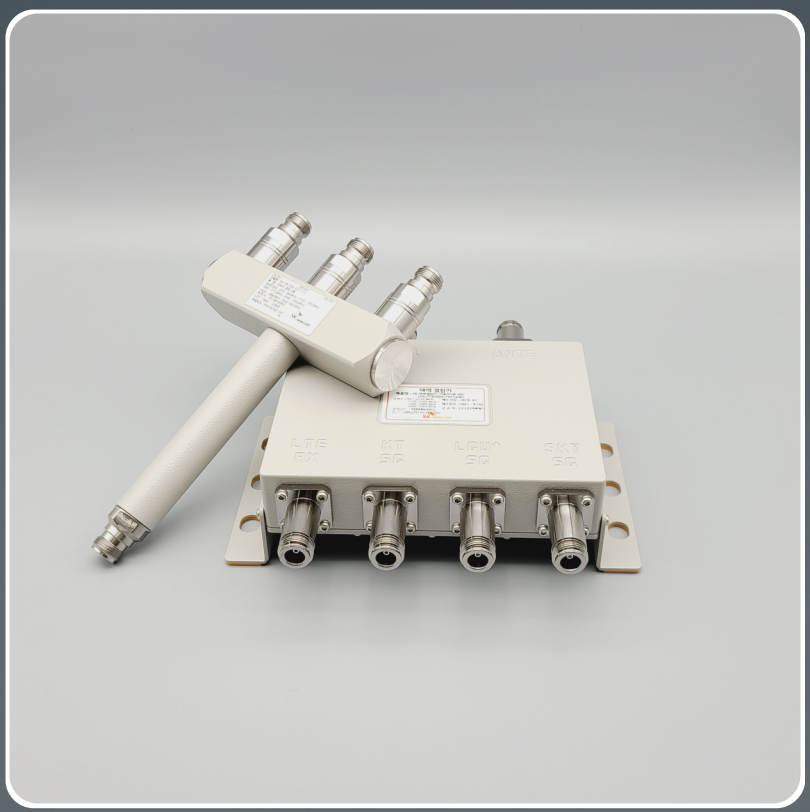
UBCS PASSIVE COMPONENTS

UBCS' power splitter evenly distributes signal received in one input unit to two, three or four output units. Designed for the needs of South Korea's telecommunications industry, our splitter uses 5G networks relying on spectrum in the 3.9 GHz range.

UBCS' combiner combines RF signals at a certain impedance level. Our products are designed for use in doors or outdoors and can be used to provide wireless coverage in base stations, buildings, subways, tunnels, etc. We provide South Korea's large telecommunication service providers with our splitters and combiners using 5G networks.



UBCS CO., LTD.
Connecting Systems

PRODUCT INTRODUCTION

5G 2N-150W(1:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

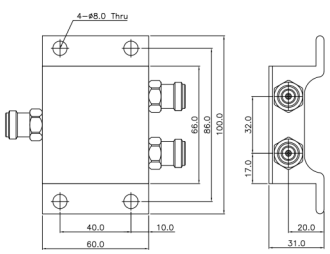
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- In-building Applications.

Specifications

Port	3 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	50 : 50
Insertion Loss	-3.6 dB Min.
VSWR	1.2:1 Max.
PIMD	-150 dBc @ 3th (CW 10W 2 Tone)
Connectors	N (f)
Input Power	150W Max.
Impedance	50Ω
Isolation	-20.0 dB Max.
Operating Temperature	-30℃ ~ +60℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

5G 2N-150W(7:3) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

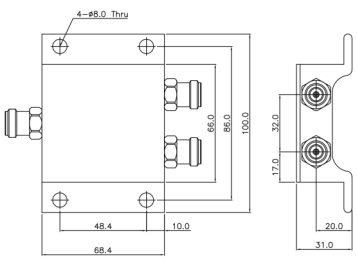
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- In-building Applications.

Specifications

Port	3 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	70 : 30
Insertion Loss	-2.1 dB / -6.1 dB Min.
VSWR	1.2:1 Max.
PIMD	-150 dBc @ 3th (CW 10W 2 Tone)
Connectors	N (f)
Input Power	150W Max.
Impedance	50Ω
Isolation	-20.0 dB Max.
Operating Temperature	-30℃ ~ +60℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

5G 2N-150W(9:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

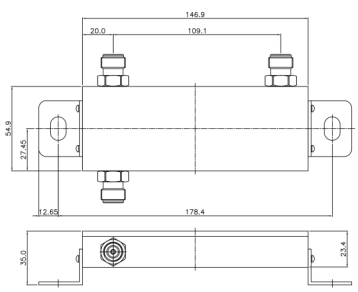
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- In-building Applications.

Specifications

Port	3 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	90 : 10
Insertion Loss	-1.0 dB / -11.0 dB Min.
VSWR	1.2:1 Max.
PIMD	-150 dBc @ 3th (CW 10W 2 Tone)
Connectors	N (f)
Input Power	150W Max.
Impedance	50Ω
Isolation	-20.0 dB Max.
Operating Temperature	-30℃ ~ +60℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

5G 2N-150W(8:2) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

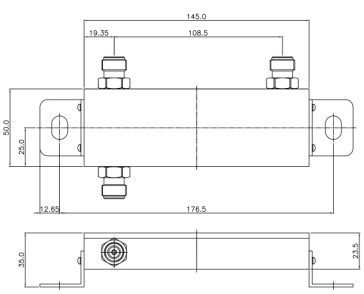
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- In-building Applications.

Specifications

Port	3 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	80 : 20
Insertion Loss	-1.6 dB / -7.6 dB Min.
VSWR	1.2:1 Max.
PIMD	-150 dBc @ 3th (CW 10W 2 Tone)
Connectors	N (f)
Input Power	150W Max.
Impedance	50Ω
Isolation	-20.0 dB Max.
Operating Temperature	-30℃ ~ +60℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

5G 3N-150W(1:1:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

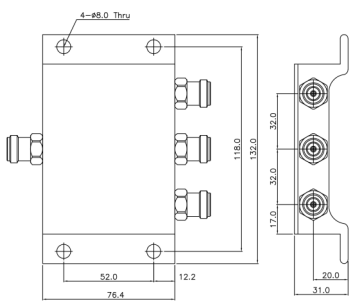
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- In-building Applications.

Specifications

Port	4 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	33.3 : 33.3 : 33.3
Insertion Loss	-6.0 dB Min.
VSWR	1.2:1 Max.
PIMD	-150 dBc @ 3th (CW 10W 2 Tone)
Connectors	N (f)
Input Power	150W Max.
Impedance	50Ω
Isolation	-20.0 dB Max.
Operating Temperature	-30℃ ~ +60℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

5G 3N-150W(2:1:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

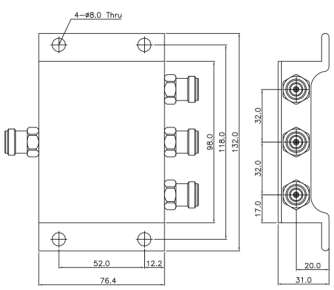
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- In-building Applications.

Specifications

Port	4 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	50 : 25 : 25
Insertion Loss	-3.7 dB / -7.0 dB / -7.0 dB Min.
VSWR	1.2:1 Max.
PIMD	-150 dBc @ 3th (CW 10W 2 Tone)
Connectors	N (f)
Input Power	150W Max.
Impedance	50Ω
Isolation	-20.0 dB Max.
Operating Temperature	-30℃ ~ +60℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

5G 3N-150W(8:1:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

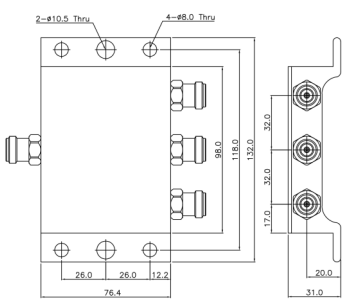
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- In-building Applications.

Specifications

Port	4 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	80 : 10 : 10
Insertion Loss	-3.0 dB / -8.0 dB / -8.0 dB Min.
VSWR	1.2:1 Max.
PIMD	-150 dBc @ 3th (CW 10W 2 Tone)
Connectors	N (f)
Input Power	150W Max.
Impedance	50Ω
Isolation	-20.0 dB Max.
Operating Temperature	-30℃ ~ +60℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

5G 4N-150W(1:1:1:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

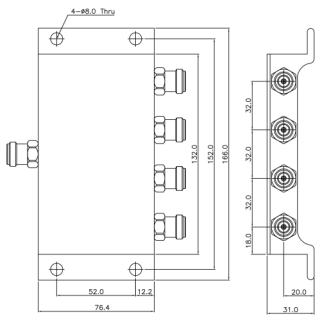
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- In-building Applications.

Specifications

Port	5 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	25 : 25 : 25 : 25
Insertion Loss	-7.2 dB Min.
VSWR	1.2:1 Max.
PIMD	-150 dBc @ 3th (CW 10W 2 Tone)
Connectors	N (f)
Input Power	150W Max.
Impedance	50Ω
Isolation	-20.0 dB Max.
Operating Temperature	-30℃ ~ +60℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

LOW COST 5G 2NN-150W(1:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

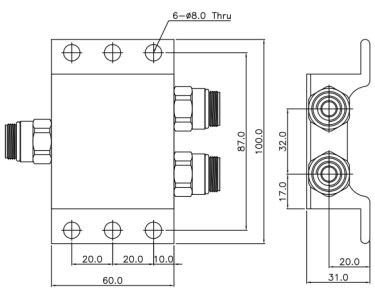
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- In-building Applications.

Specifications

Port	3 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	50 : 50
Insertion Loss	-3.6 dB Min.
VSWR	1.2:1 Max.
PIMD	-150 dBc @ 3th (CW 10W 2 Tone)
Connectors	New-N (f)
Input Power	150W Max.
Impedance	50Ω
Isolation	-20.0 dB Max.
Operating Temperature	-30℃ ~ +60℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

LOW COST 5G 2NN-150W(7:3) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

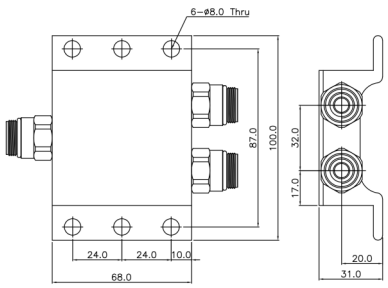
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- In-building Applications.

Specifications

Port	3 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	70 : 30
Insertion Loss	-2.1 dB / -6.1 dB Min.
VSWR	1.2:1 Max.
PIMD	-150 dBc @ 3th (CW 10W 2 Tone)
Connectors	New-N (f)
Input Power	150W Max.
Impedance	50Ω
Isolation	-20.0 dB Max.
Operating Temperature	-30℃ ~ +60℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

LOW COST 5G 3NN-150W(1:1:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

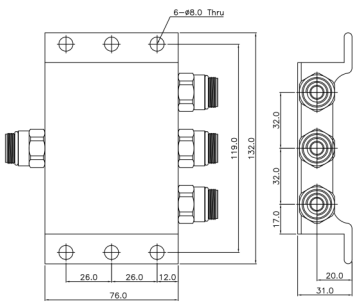
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- In-building Applications.

Specifications

Port	4 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	33.3 : 33.3 : 33.3
Insertion Loss	-6.0 dB Min.
VSWR	1.2:1 Max.
PIMD	-150 dBc @ 3th (CW 10W 2 Tone)
Connectors	New-N (f)
Input Power	150W Max.
Impedance	50Ω
Isolation	-20.0 dB Max.
Operating Temperature	-30℃ ~ +60℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

LOW COST 5G 3NN-150W(2:1:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

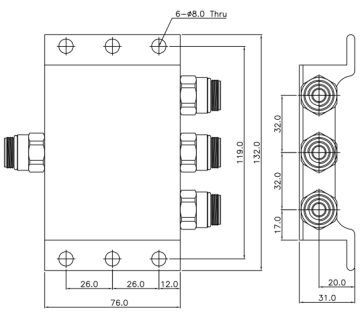
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- In-building Applications.

Specifications

Port	4 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	50 : 25 : 25
Insertion Loss	-3.7 dB / -7.0 dB / -7.0 dB Min.
VSWR	1.2:1 Max.
PIMD	-150 dBc @ 3th (CW 10W 2 Tone)
Connectors	New-N (f)
Input Power	150W Max.
Impedance	50Ω
Isolation	-20.0 dB Max.
Operating Temperature	-30℃ ~ +60℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

LOW COST 5G 3NN-150W(8:1:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

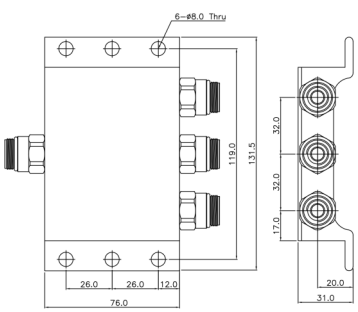
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- In-building Applications.

Specifications

Port	4 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	80 : 10 : 10
Insertion Loss	-3.0 dB / -8.0 dB / -8.0 dB Min.
VSWR	1.2:1 Max.
PIMD	-150 dBc @ 3th (CW 10W 2 Tone)
Connectors	New-N (f)
Input Power	150W Max.
Impedance	50Ω
Isolation	-20.0 dB Max.
Operating Temperature	-30℃ ~ +60℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

LOW COST 5G 4NN-150W(1:1:1:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

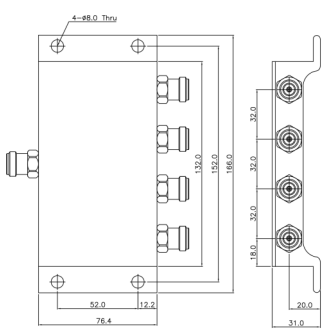
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- In-building Applications.

Specifications

Port	5 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	25 : 25 : 25 : 25
Insertion Loss	-7.2 dB Min.
VSWR	1.2:1 Max.
PIMD	-150 dBc @ 3th (CW 10W 2 Tone)
Connectors	New-N (f)
Input Power	150W Max.
Impedance	50Ω
Isolation	-20.0 dB Max.
Operating Temperature	-30℃ ~ +60℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

5G 2N-300W-UC(1:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

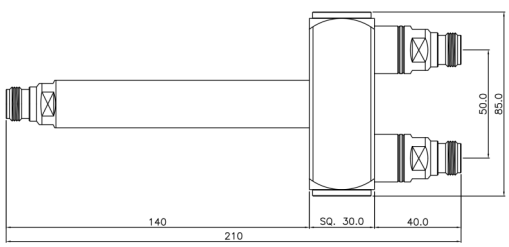
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- Base Station Applications.

Specifications

Port	3 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	50 : 50
Insertion Loss	-3.3 dB Min.
VSWR	1.2:1 Max.
PIMD	-155 dBc @ 3th (CW 20W 2 Tone)
Connectors	N (f)
Input Power	300W Max.
Impedance	50Ω
Operating Temperature	-40℃ ~ +70℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

5G 2N-300W-U(7:3) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

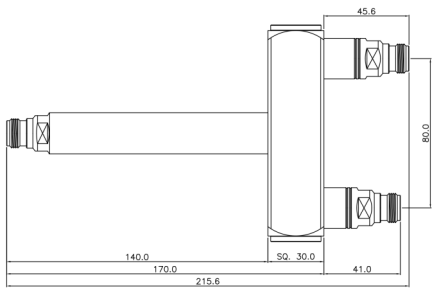
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- Base Station Applications.

Specifications

Port	3 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	70 : 30
Insertion Loss	-2.1 dB / -5.7 dB Min.
VSWR	1.2:1 Max.
PIMD	-155 dBc @ 3th (CW 20W 2 Tone)
Connectors	N (f)
Input Power	300W Max.
Impedance	50Ω
Operating Temperature	-40℃ ~ +70℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

5G 3N-300W-U(1:1:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

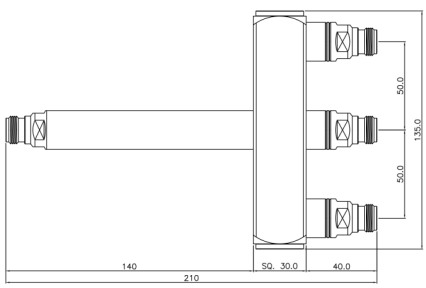
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- Base Station Applications.

Specifications

Port	4 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	33.3 : 33.3 : 33.3
Insertion Loss	-5.2 dB Min.
VSWR	1.2:1 Max.
PIMD	-155 dBc @ 3th (CW 20W 2 Tone)
Connectors	N (f)
Input Power	300W Max.
Impedance	50Ω
Operating Temperature	-40℃ ~ +70℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

5G 3N-300W-U(2:1:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

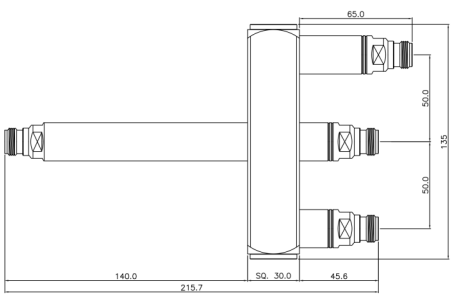
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- Base Station Applications.

Specifications

Port	4 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	50 : 25 : 25
Insertion Loss	-3.4 dB / -6.4 dB / -6.4 dB Min.
VSWR	1.2:1 Max.
PIMD	-155 dBc @ 3th (CW 20W 2 Tone)
Connectors	N (f)
Input Power	300W Max.
Impedance	50Ω
Operating Temperature	-40℃ ~ +70℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

LOW COST 5G 2NN-300W-U(1:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

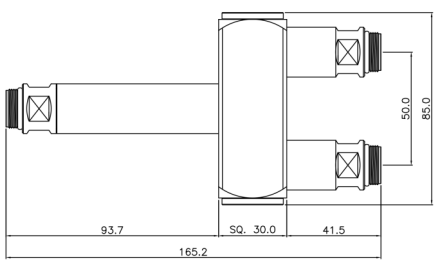
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- Base Station Applications.

Specifications

Port	3 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	50 : 50
Insertion Loss	-3.3 dB Min.
VSWR	1.2:1 Max.
PIMD	-155 dBc @ 3th (CW 20W 2 Tone)
Connectors	New-N (f)
Input Power	300W Max.
Impedance	50Ω
Operating Temperature	-40℃ ~ +70℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

LOW COST 5G 2NN-300W-U(7:3) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

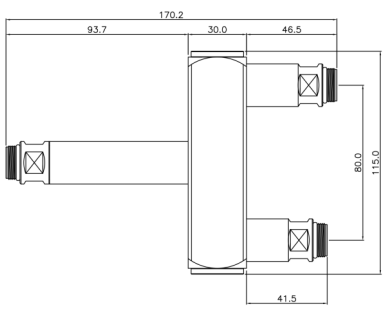
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- Base Station Applications.

Specifications

Port	3 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	70 : 30
Insertion Loss	-2.1 dB / -5.7 dB Min.
VSWR	1.2:1 Max.
PIMD	-155 dBc @ 3th (CW 20W 2 Tone)
Connectors	New-N (f)
Input Power	300W Max.
Impedance	50Ω
Operating Temperature	-40℃ ~ +70℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

LOW COST 5G 3NN-300W-U(1:1:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

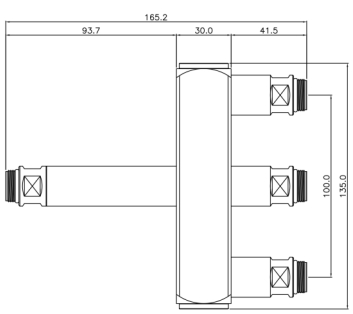
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- Base Station Applications.

Specifications

Port	4 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	33.3 : 33.3 : 33.3
Insertion Loss	-5.2 dB Min.
VSWR	1.2:1 Max.
PIMD	-155 dBc @ 3th (CW 20W 2 Tone)
Connectors	New-N (f)
Input Power	300W Max.
Impedance	50Ω
Operating Temperature	-40℃ ~ +70℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

LOW COST 5G 3NN-300W-U(2:1:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

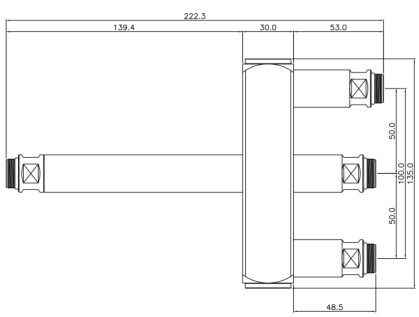
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- Base Station Applications.

Specifications

Port	4 Port
Frequency Range Up To	819 ~ 960 MHz, 1710 ~ 1870 MHz.
	1885 ~ 2170 MHz, 2300 ~ 2400 MHz.
	2500 ~ 2690 MHz, 3350 ~ 3900 MHz.
Split Ratio	50 : 25 : 25
Insertion Loss	-3.4 dB / -6.4 dB / -6.4 dB Min.
VSWR	1.2:1 Max.
PIMD	-155 dBc @ 3th (CW 20W 2 Tone)
Connectors	New-N (f)
Input Power	300W Max.
Impedance	50Ω
Operating Temperature	-40℃ ~ +70℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

5G 2MD(4.3-10)-500W-T(1:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

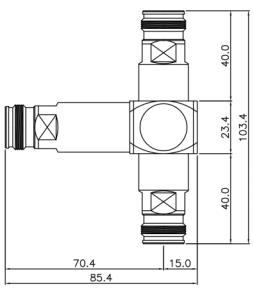
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- Base Station Applications.

Specifications

Port	3 Port
Frequency Range Up To	3350 ~ 3900 MHz.
Split Ratio	50 : 50
Insertion Loss	-3.3 dB Min.
VSWR	1.2:1 Max.
PIMD	-155 dBc @ 3th (CW 20W 2 Tone)
Connectors	4.3-10 (f)
Input Power	500W Max.
Impedance	50Ω
Operating Temperature	-40℃ ~ +70℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

5G 2MD(4.3-10)-500W-U(1:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

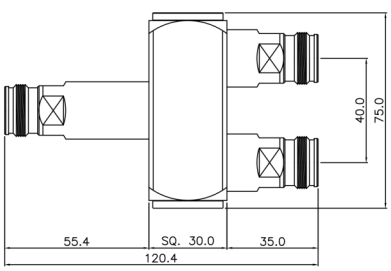
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- Base Station Applications.

Specifications

Port	3 Port
Frequency Range Up To	3350 ~ 3900 MHz.
Split Ratio	50 : 50
Insertion Loss	-3.3 dB Min.
VSWR	1.2:1 Max.
PIMD	-155 dBc @ 3th (CW 20W 2 Tone)
Connectors	4.3-10 (f)
Input Power	500W Max.
Impedance	50Ω
Operating Temperature	-40℃ ~ +70℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

5G 3MD(4.3-10)-500W-T(1:1:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

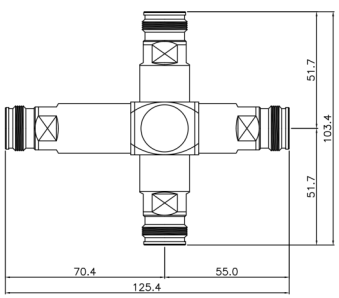
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- Base Station Applications.

Specifications

Port	4 Port
Frequency Range Up To	3350 ~ 3900 MHz.
Split Ratio	33.3 : 33.3 : 33.3
Insertion Loss	-5.2 dB Min.
VSWR	1.2:1 Max.
PIMD	-155 dBc @ 3th (CW 20W 2 Tone)
Connectors	4.3-10 (f)
Input Power	500W Max.
Impedance	50Ω
Operating Temperature	-40℃ ~ +70℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

5G 3MD(4.3-10)-500W-U(1:1:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

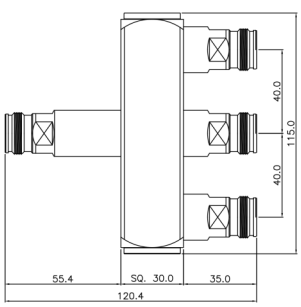
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- Base Station Applications.

Specifications

Port	4 Port
Frequency Range Up To	3350 ~ 3900 MHz.
Split Ratio	33.3 : 33.3 : 33.3
Insertion Loss	-5.2 dB Min.
VSWR	1.2:1 Max.
PIMD	-155 dBc @ 3th (CW 20W 2 Tone)
Connectors	4.3-10 (f)
Input Power	500W Max.
Impedance	50Ω
Operating Temperature	-40℃ ~ +70℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

5G 3MD(4.3-10)-500W-F(1:1:1) DIVIDER

UBCS's Power Dividers (Splitters) are used to split a signal equally from one input port through two, three or four output ports.

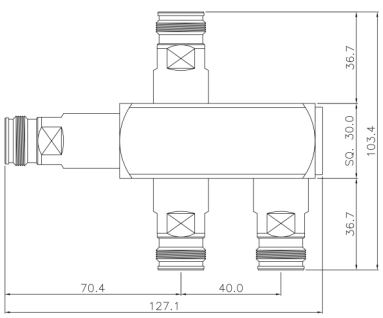
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- Base Station Applications.

Specifications

Port	4 Port
Frequency Range Up To	3350 ~ 3900 MHz.
Split Ratio	33.3 : 33.3 : 33.3
Insertion Loss	-5.2 dB Min.
VSWR	1.2:1 Max.
PIMD	-155 dBc @ 3th (CW 20W 2 Tone)
Connectors	4.3-10 (f)
Input Power	500W Max.
Impedance	50Ω
Operating Temperature	-40℃ ~ +70℃
Humidity	95%
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

LTE & 5G 5X2 COMBINER

UBCS's Combiners are generally used to combine RF power in an environment where characteristic impedance is maintained.

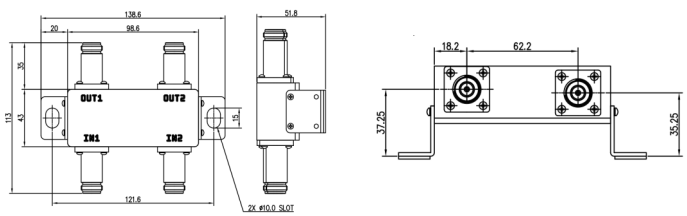
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- RoHs Compliant Design.

Specifications

Frequency Range Up To	P1 KT 3500 ~ 3600 MHz	P2 SKT 3600 ~ 3900 MHz	P3 LG U+ 3350 ~ 3500 MHz	P4, P5 LTE (Rx) 819 ~ 2550 MHz
Insertion Loss	P1 -4.5 dB Min.	P2 -4.5 dB Min.	P3 -4.5 dB Min.	P4 -4.5 dB Min.
Return Loss	-18.0 dB Max. (Input Port)			
Isolation (Input Port Between)	-20 dB Max. (P1 ↔ P2, P1 ↔ P3) -30 dB Max. (P2 ↔ P3) -50 dB Max. (P4 ↔ P1, P2, P3 / P5 ↔ P1, P2, P3)			
Impedance	50 Ω			
PIMD	3rd -155 dBc Max. @ 43 dBm (CW) 2 Tone			
Connectors	4.3 - 10 (f) : P1, P2, P3 N Type (f) : P4, P5, P6, P7 (LTE Rx, ANT1,2)			
Input Power Rating Per Port	P1 100W Max.	P2 100W Max.	P3 100W Max.	P4, P5 10W Max.
Operating Temperature	-30 ~ +60℃			
Humidity	95%			
Size	148.0 X 225.0 X 35.0 (Without Bracket and Connector)			
Waterproof	IP67			

Drawing



PRODUCT INTRODUCTION

LTE & 5G 4X2 COMBINER

UBCS's Combiners are generally used to combine RF power in an environment where characteristic impedance is maintained.

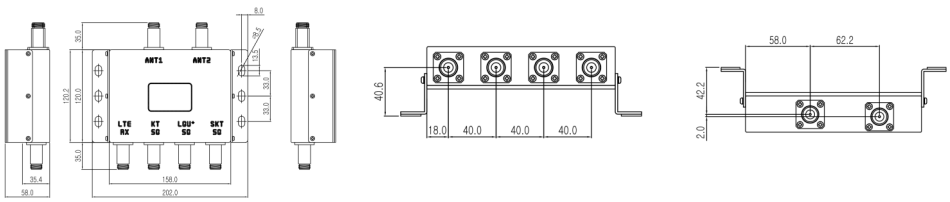
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- RoHs Compliant Design.

Specifications

Frequency Range Up To	P1 KT 3500 ~ 3600 MHz	P2 SKT 3600 ~ 3900 MHz	P3 LG U+ 3350 ~ 3500 MHz	P4 LTE (Rx) 819 ~ 2550 MHz
Insertion Loss	P1 -4.5 dB Min.	P2 -4.5 dB Min.	P3 -4.5 dB Min.	P4 -0.4 dB Min.
Return Loss	-18.0 dB Max. (Input Port)			
Isolation (Input Port Between)	-20 dB Max. (P1 ↔ P2, P1 ↔ P3, P4 ↔ P2, P3) -30 dB Max. (P2 ↔ P3, P4 ↔ P1)			
Impedance	50 Ω			
PIMD	3rd -155 dBc Max. @ 43 dBm (CW) 2 Tone			
Connectors	N Type (f)			
Input Power Rating Per Port	P1 100W Max.	P2 100W Max.	P3 100W Max.	P4 10W Max.
Operating Temperature	-30 ~ +60℃			
Humidity	95%			
Size	158.0 X 120.0 X 35.4 (Without Bracket and Connector)			
Waterproof	IP67			

Drawing



PRODUCT INTRODUCTION

TRIPLEXER 5G 3X2 COMBINER (IN-BUILDING)

UBCS's Combiners are generally used to combine RF power in an environment where characteristic impedance is maintained.

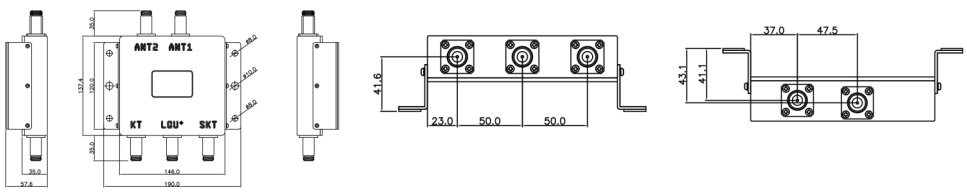
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- RoHs Compliant Design.

Specifications

Frequency Range Up To	P1 KT 3500 ~ 3600 MHz	P2 SKT 3600 ~ 3900 MHz	P3 LG U+ 3350 ~ 3500 MHz
Insertion Loss	P1 -4.2 dB Min.	P2 -4.2 dB Min.	P3 -4.2 dB Min.
Return Loss	-18.0 dB Max. (Input Port)		
Isolation (Input Port Between)	-20 dB Max. (P1 ↔ P2, P1 ↔ P3) -30 dB Max. (P2 ↔ P3)		
Impedance	50 Ω		
PIMD	3rd -155 dBc Max. @ 43 dBm (CW) 2 Tone		
Connectors	N Type (f) & 4.3 -10 (f)		
Input Power Rating Per Port	P1 100W Max.	P2 100W Max.	P3 100W Max.
Operating Temperature	-30 ~ +60℃		
Humidity	95%		
Size	120.0 X 123.0 X 35.0 (Without Bracket and Connector)		
Waterproof	IP67		

Drawing



PRODUCT INTRODUCTION

HYBRID LTE & 5G 2X2 COMBINER

UBCS's Combiners are generally used to combine RF power in an environment where characteristic impedance is maintained.

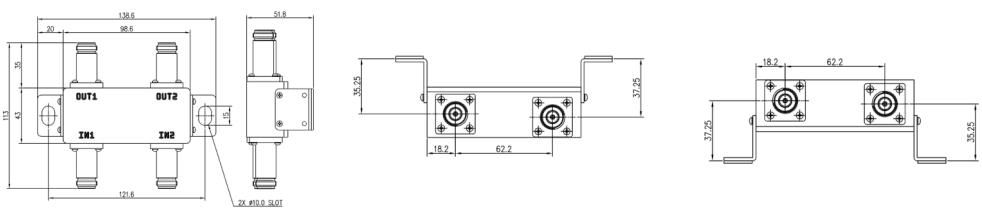
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- RoHs Compliant Design.

Specifications

Frequency Range Up To	LTE 819 ~ 960, 1710 ~ 1870, 2300 ~ 2700 MHz	5G 3600 ~ 3900 MHz
Insertion Loss	-3.8 dB Min.	
Return Loss	-18.0 dB Max. (Input Port)	
Isolation	-22 dB Max.	
Impedance	50 Ω	
PIMD	3rd -155 dBc Max. @ 43 dBm (CW) 2 Tone	
Connectors	N Type (f)	
Input Power Rating Per Port	500W Max.	
Operating Temperature	-30 ~ +60℃	
Humidity	95%	
Size	43.5 X 99.0 X 32.5 (Without Bracket and Connector)	
Waterproof	IP67	

Drawing



PRODUCT INTRODUCTION

5G 3X1 COMBINER

UBCS's Combiners are generally used to combine RF power in an environment where characteristic impedance is maintained.

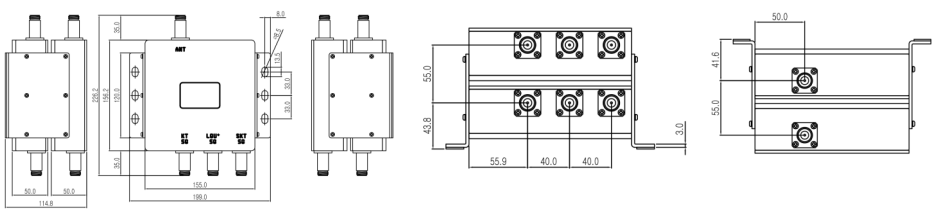
Features

- Low Insertion Loss and PIMD.
- Excellent Performance.
- Waterproofing Function.
- RoHs Compliant Design.

Specifications

Frequency Range Up To	P1 KT 3500 ~ 3600 MHz	P2 LG U+ 3350 ~ 3500 MHz	P3 SKT 3600 ~ 3900 MHz
Insertion Loss	P1	P2	P3
	-0.7 dB Min. (Band AVG.)		
Return Loss	-18.0 dB Max. (Input Port)		
Isolation (Input Port Between)	-20 dB Max. (P1 ↔ P2, P1 ↔ P3) -30 dB Max. (P2 ↔ P3)		
Impedance	50 Ω		
PIMD	3rd -155 dBc Max. @ 43 dBm (CW) 2 Tone		
Connectors	N Type (f)		
Input Power Rating Per Port	P1 100W Max.	P2 100W Max.	P3 100W Max.
Operating Temperature	-30 ~ +60℃		
Humidity	95%		
Size	156.2 X 155.0 X 50.0 (Without Bracket and Connector)		
Waterproof	IP67		

Drawing



PRODUCT INTRODUCTION

DIRECTIONAL (DUAL) COUPLER (7dB)

UBCS's Couplers are generally used to split a signal into either two equal or into two unequal shares.

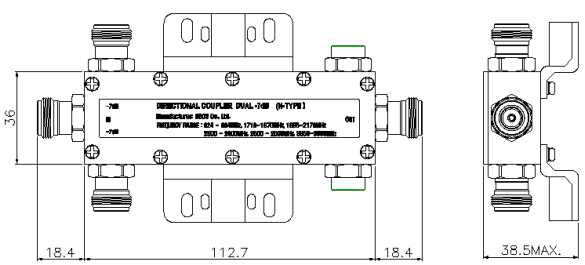
Features

- Low Insertion Loss and VSWR.
- Excellent Performance.
- Waterproofing Function.
- Indoor Applications.

Specifications

Frequency Range Up To	824 ~ 3900 MHz
Insertion Loss	3.0 dB Max.
VSWR	1.3 Max.
PIMD	-150 / -160 dBc (40 dBm. 2 Tone)
Coupling Value	7±1.5 dB
Isolation	-25 dB Min.
Impedance	50Ω Normal
Input Power	20W
Operating Temperature	-40℃ ~ +70℃ (95%)
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

DIRECTIONAL (DUAL) COUPLER (10dB)

UBCS's Couplers are generally used to split a signal into either two equal or into two unequal shares.

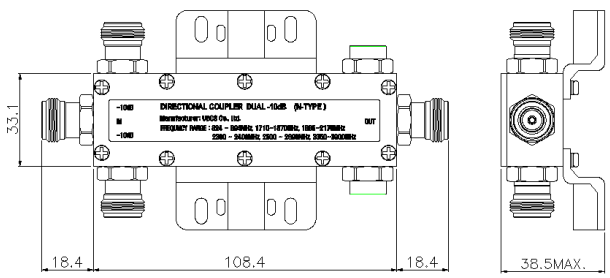
Features

- Low Insertion Loss and VSWR.
- Excellent Performance.
- Waterproofing Function.
- Indoor Applications.

Specifications

Frequency Range Up To	824 ~ 3900 MHz
Insertion Loss	1.6 dB Max.
VSWR	1.3 Max.
PIMD	-150 / -160 dBc (43 dBm. 2 Tone)
Coupling Value	10±1.5 dB
Isolation	-30 dB Min.
Impedance	50Ω Normal
Input Power	100W
Operating Temperature	-40℃ ~ +70℃ (95%)
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

DIRECTIONAL (SINGLE) COUPLER (7dB)

UBCS's Couplers are generally used to split a signal into either two equal or into two unequal shares.

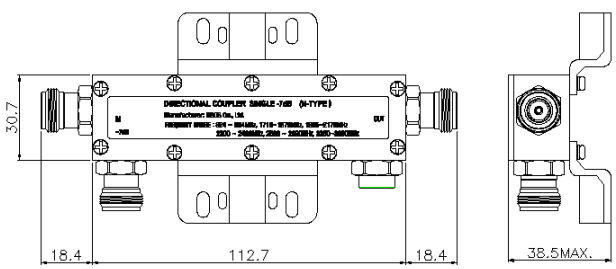
Features

- Low Insertion Loss and VSWR.
- Excellent Performance.
- Waterproofing Function.
- Indoor Applications.

Specifications

Frequency Range Up To	824 ~ 3900 MHz
Insertion Loss	1.5 dB Max.
VSWR	1.2 Max.
PIMD	-150 / -160 dBc (40 dBm. 2 Tone)
Coupling Value	7±1.5 dB
Isolation	-25 dB Min.
Impedance	50Ω Normal
Input Power	20W
Operating Temperature	-40℃ ~ +70℃ (95%)
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

DIRECTIONAL (SINGLE) COUPLER (10dB)

UBCS's Couplers are generally used to split a signal into either two equal or into two unequal shares.

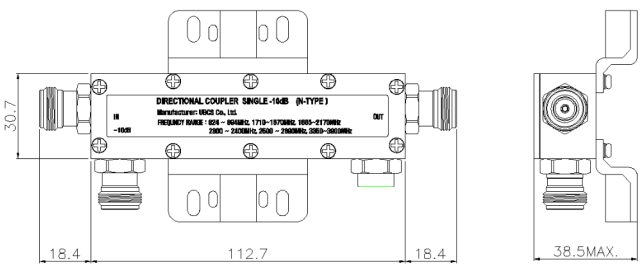
Features

- Low Insertion Loss and VSWR.
- Excellent Performance.
- Waterproofing Function.
- Indoor Applications.

Specifications

Frequency Range Up To	824 ~ 3900 MHz
Insertion Loss	1.0 dB Max.
VSWR	1.2 Max.
PIMD	-150 / -160 dBc (43 dBm. 2 Tone)
Coupling Value	10±1.5 dB
Isolation	-30 dB Min.
Impedance	50Ω Normal
Input Power	100W
Operating Temperature	-40℃ ~ +70℃ (95%)
Waterproof	IP67

Drawing



PRODUCT INTRODUCTION

DIRECTIONAL (SINGLE) COUPLER (30dB)

UBCS's Couplers are generally used to split a signal into either two equal or into two unequal shares.

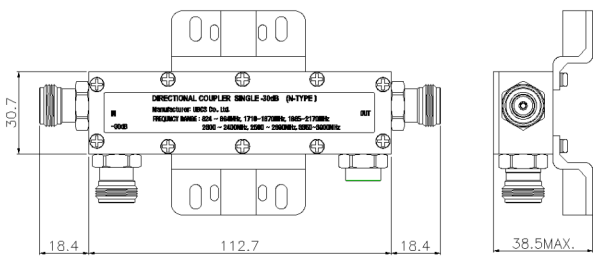
Features

- Low Insertion Loss and VSWR.
- Excellent Performance.
- Waterproofing Function.
- Indoor Applications.

Specifications

Frequency Range Up To	824 ~ 3900 MHz
Insertion Loss	1.0 dB Max.
VSWR	1.2 Max.
PIMD	-150 / -160 dBc (43 dBm. 2 Tone)
Coupling Value	30±1.5 dB
Isolation	-30 dB Min.
Impedance	50Ω Normal
Input Power	100W
Operating Temperature	-40℃ ~ +70℃ (95%)
Waterproof	IP67

Drawing



UBCS CREATIVE NEW VALUE WITH NUMBERLESS CHALLENGES