



WAVEGUIDE WR75 DUPLEXER

RX: 10.933-11.195GHz

TX: 11.423 -11.685 GHz

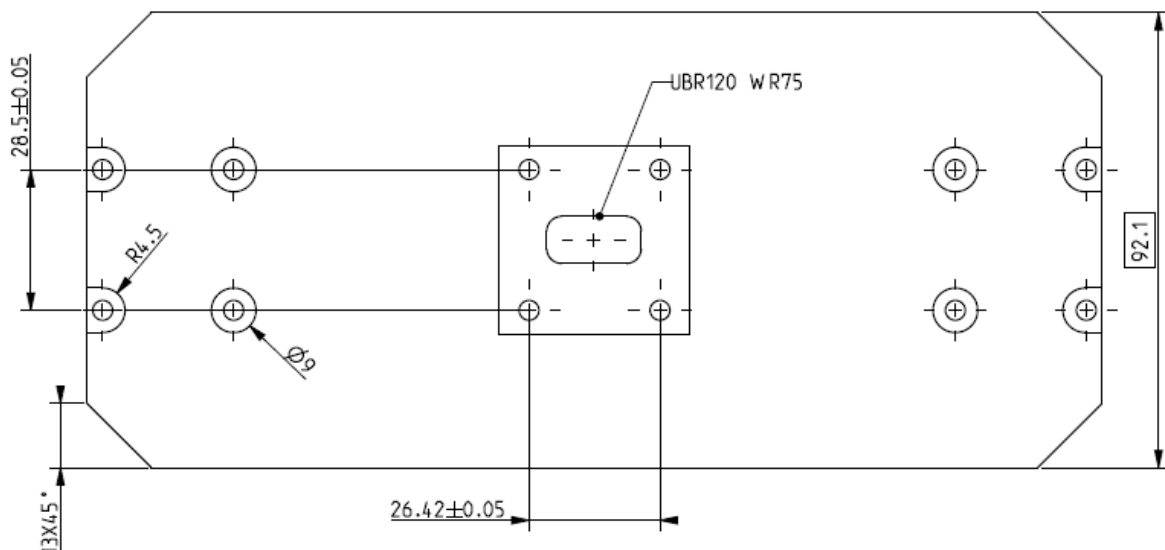
- Compact size and high power handle
- Very high rejection outdoor unit
- Compatible with ITU Standard
- Different frequency and flange available upon request
- Storage temperature -40~+80°C
- Operational Temperature: -30~+70 °C
- Operating Humidity: 0~90% relative
- Material: Aluminum
- Body finish : 2~3µm Ag plated
- Tchebyscheff Response
- Mechanical Test ETS 300-019-1-3 class 3.3

Electrical Specification

Frequency Range:	RX: 10.933-11.195GHz TX: 11.423-11.685GHz
Insertion Loss:	CH1: 1.5dB max CH2: 1.5dB max
Pass band Ripple:	0.5dB maximum
Power Handle:	200W
Isolation between port:	65dB
Flange:	WR75 CPRF
Impedance:	50 Ω

Environmental Specification

Humidity: According to ETS 300-019-1-3 class 3.3
(par. To 5.1 “climatic conditions”)



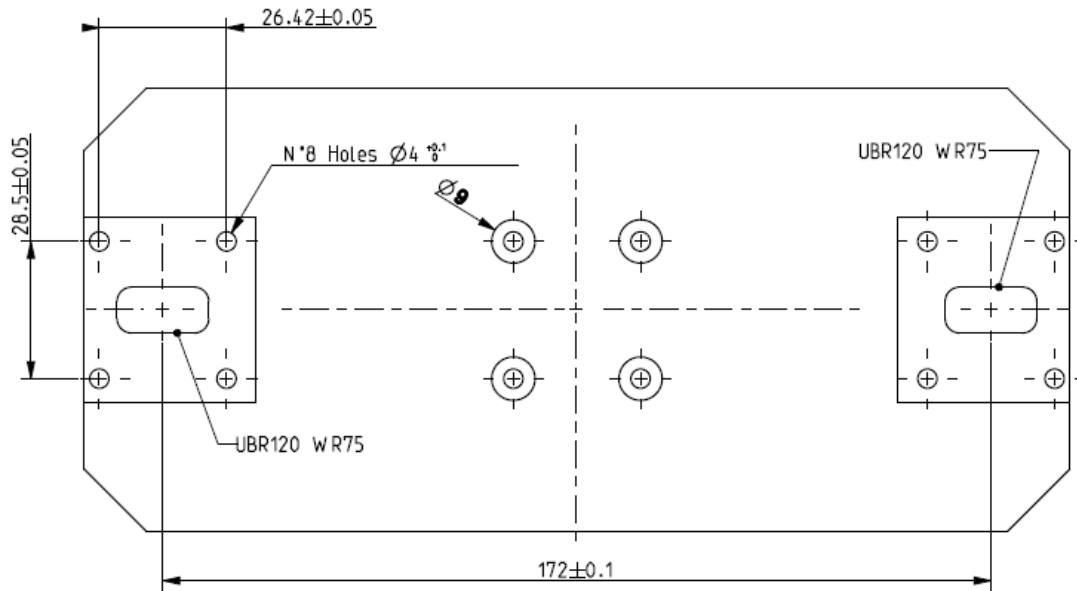
WAVEGUIDE WR75 DUPLEXER 10.933-11.195GHZ AND 11.423-11.685GHZ



RF-LAMBDA

The power beyond expectations

RWDUP75AB



N.B.1 - APPLY LABEL WITH INDICATED:

- TX/RX frequency range
- Factory part number + EXT
- Factory serial number in according to ZZZA000040AA MAA

N.B.2 - Dimension inserted in a square are the maximum useful size.
any other dimension is accepted after check.

N.B - General tolerances ± 0.1



The following TX and RX channel available upon request.

Tx Frequency range		Rx Frequency range		Bandwidth [MHz]		Shifter [MHz]
Fstart [MHz]	Fstop [MHz]	Fstart [MHz]	Fstop [MHz]	Low band	High band	
FL1	FL2	FH1	FH2			
10700,0	10969,0	11230,0	11499,0	269,0	269,0	530
10911,0	11169,0	11441,0	11699,0	258,0	258,0	530
FH1	FH2	FL1	FL2			
11230,0	11499,0	10700,0	10969,0	269,0	269,0	530
11441,0	11699,0	10911,0	11169,0	258,0	258,0	530
FL1	FL2	FH1	FH2			
10709,0	10961,0	11299,0	11451,0	252,0	252,0	490
10933,0	11195,0	11423,0	11685,0	262,0	262,0	490
FH1	FH2	FL1	FL2			
11299,0	11451,0	10709,0	10961,0	252,0	252,0	490
11423,0	11685,0	10933,0	11195,0	262,0	262,0	490

WAVEGUIDE WR75 DUPLEXER 10.210-10.298GHZ AND 10.560-10.648GHZ

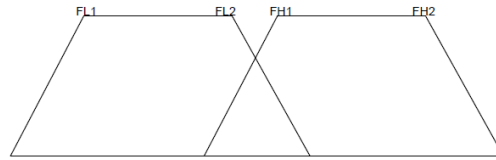


Fig.1 Frequency Diagram Attenuation

ISOLATION

Isolation in band (iso in) [Port 1 to the Port under test] in temperature:
 see table 1 (typical 65dB depending on P/N)
 Isolation out band (iso out) [Port 1 to the Port under test] > 40 dB



Fig.2 Port Description

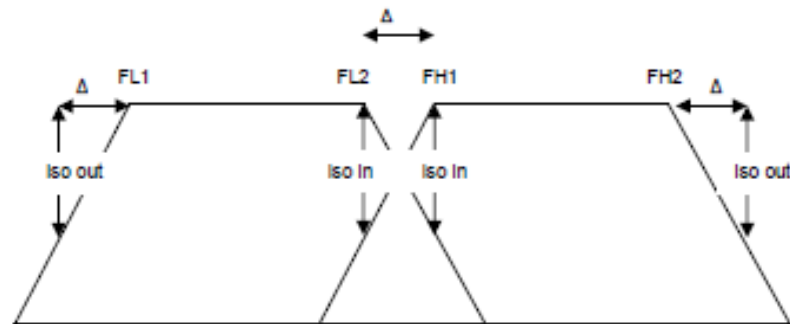


Fig.3 Frequency Diagram Isolation

Isolation port2 - port3

With the port 1 terminated with a load see Fig.4:

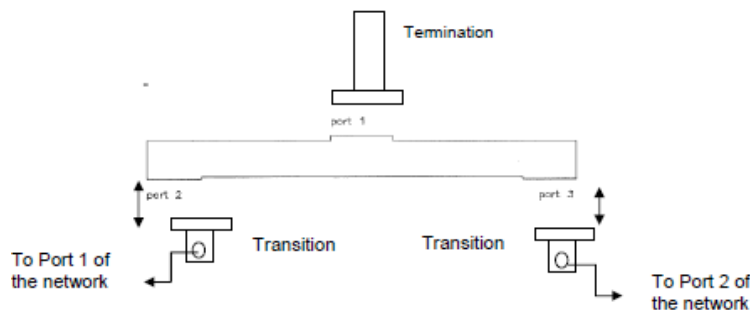


Fig.4 Isolation port 2 - port 3 setting

Isolation Port 2 - Port 3 > see Table 1 (typical 65dB depending on P/N)
 See fig. 5 for typical diagram of this measure.

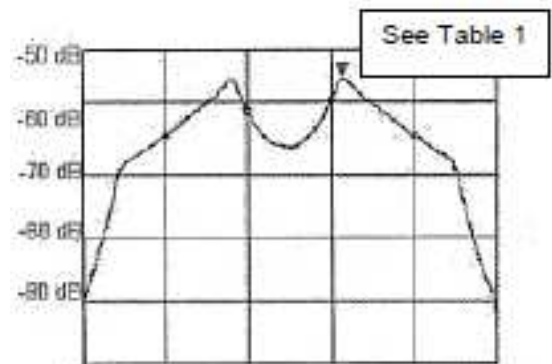


Fig.5 Isolation diagram

WAVEGUIDE WR112 DUPLEXER 8.317-8.377GHZ AND 8.440-8.500GHZ