

# DATASHEET

## Waveguide Rotary Joint

### REVISION HISTORY

DATE	VERSION	DESCRIPTION	AUTHOR
08/06/21	1.0.0	Initial Release	Asher Z.

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# 1 Waveguide Single Channel Rotary Joint

## 1.1 I STYLE



Part #	Freq. Range (GHz)	VSWR	Insertion Loss (dB) Max.	Average Power (W)	Peak Power (KW)	WG Type
						EIA
YCWRJSI32	2.60-3.95	1.20	0.25	600	600	WR284/BJ32
YCWRJSI70	5.38-8.17			500	150	WR137/BJ70
YCWRJSI100	8.2-12.5		400	WR90/BJ100		
YCWRJSI120	9.84-15.00	1.25	0.30	200	10	WR75/BJ120
YCWRJSI220	17.6-26.7			50	0.5	WR42/BJ220
YCWRJSI260	21.7-33.0		0.5	30	0.3	WR34/BJ260
YCWRJSI320	26.5-40.0	WR28/BJ320				

## 1.2 L STYLE



Part #	Freq. Range (GHz)	VSWR	Insertion Loss (dB) Max.	Average Power (W)	Peak Power (KW)	WG Type
						EIA
YCWRJSL32	2.60-3.95	1.20	0.25	600	600	WR284/BJ32
YCWRJSL70	5.38-8.17	1.25		500		WR137/BJ70
YCWRJSL100	8.2-12.5	1.20	0.30	400	150	WR90/BJ100
YCWRJSL120	9.84-15.00					WR75/BJ120
YCWRJSL220	17.6-26.7	1.40	0.50	50	0.5	WR42/BJ220
YCWRJSL260	21.7-33.0			30	0.3	WR34/BJ260
YCWRJSL320	26.5-40.0			WR28/BJ320		

### 1.3 HIGH POWER



Part #	Freq. Range (GHz)	VSWR	Insertion Loss (dB) Max.	Average Power (W)	Peak Power (KW)	WG Type
						EIA
<b>YCWRJHP32</b>	2.60-3.95	1.20	0.25	600	600	WR284/BJ32
<b>YCWRJHP70</b>	5.38-8.17	1.25		WR137/BJ70		
<b>YCWRJHP100</b>	8.2-12.5	1.20	0.30	400	150	WR90/BJ100
<b>YCWRJHP120</b>	9.84-15.00	1.25		WR75/BJ120		
<b>YCWRJHP220</b>	17.6-26.7	1.40	0.50	50	0.50	WR42/BJ220
<b>YCWRJHP260</b>	21.7-33.0			30	0.30	WR34/BJ260
<b>YCWRJHP320</b>	26.5-40.0			WR28/BJ320		

## 2 Waveguide Dual-Channel Rotary Joint



Part #	Freq. Range (GHz)	VSWR	Insertion Loss (dB) Max.	Average Power (W)	Peak Power (kW)	WG Type
						EIA
YCWRJDC32	2.60-3.95	1.25	0.60	800	400	WR284/BJ32
YCWRJDC70	5.38-8.17	1.25	0.60	500	150	WR137/BJ70
YCWRJDC100	8.2-12.5	1.25	0.60	400	150	WR90/BJ100
YCWRJDC120	9.84-15.00	1.25	0.60	200	10	WR75/BJ120
YCWRJDC220	17.6-26.7	1.30	1.00	50	0.50	WR42/BJ220
YCWRJDC260	21.7-33.0	1.30	1.00	30	0.30	WR34/BJ260
YCWRJDC320	26.5-40.0	1.30	1.00	30	0.30	WR28/BJ320

