

Single Channel Coaxial Rotary Joints

MDL's short, low torque, high performance coaxial joints as well as our extensive line of waveguide rotary joints have set the standards of the industry. Our long experience in the design and manufacture of slip rings enables us to develop low resistance, low noise contacts for coaxial rotary joints. This contact, the heart of the short, low torque design, has a proven advantage of long life. These coaxial rotary joints meet or exceed MIL-E-5400 and MIL-E-16400 specifications.



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CONNECTION BAND*	FREQ. RANGE GHz	MDL MODEL	VSWR MAX	WOW MAX	INSERTION LOSS MAX	HOUSING DIA.	HGT	DWG
2.9 mm	DC-10	400RS16	1.20	1.05	0.2	0.56	1.20	
	10-26		1.35	1.05	0.4			
	26-40		1.75	1.05	0.6			
2.9 mm	17.0 - 43	430RS16	1.50	1.02	0.50	0.56	1.25	
SMA	DC - 10	180RS56	1.20	1.02	0.2	0.56	1.00	
	10 - 22		1.35	0.25				
TYPE N	DC - 6.0	120RK56	1.15	1.01	0.20	0.88	1.98	
	6.0 - 15		1.25	1.01	0.30			

Notes: *Female/female

Dual Channel Coaxial Rotary Joints

CONNECTION BAND	TRANSMISSION RANGE	FREQ.	MDL MODEL	VSWR MAX	WOW MAX	INSERTION LOSS MAX	HOUSING DIA.	HGT O.C.*	DWG
SMA	CHAN 1	DC - 10	180RCD36	1.35	1.02	0.20	1.28	1.87	
		10 - 22		1.50	1.02	0.30			
	CHAN 2	DC - 1.5	1.25	1.05	0.15				
		1.5 - 4	1.50	1.02	0.30				
SMA	CHAN 1	DC - 10	180RCD46	1.35	1.02	0.20	1.28	1.87	
		10 - 22		1.50	1.02	0.30			
	CHAN 2	DC - 1.5	1.25	1.05	0.15				
		1.5 - 4	1.50	1.02	0.30				
SMA	CHAN 1	DC - 10	180RCD56	1.35	1.02	0.20	1.28	1.87	
		10 - 22		1.50	1.02	0.30			
	CHAN 2	DC - 1.5	1.25	1.05	0.15				
		1.5 - 4	1.50	1.02	0.30				
SMA	CHAN 1	DC - 10	180RCD66	1.35	1.02	0.20	1.28	1.87	
		10 - 22		1.50	1.02	0.30			
	CHAN 2	DC - 1.5	1.25	1.05	0.15				
		1.5 - 4	1.50	1.02	0.30				
SMA	CHAN 1	DC - 10	180RCD86	1.35	1.02	0.30	1.25	2.10	
		10 - 22		1.50	1.02	0.50			
	CHAN 2	DC - 1.5	1.25	1.02	0.15				
		1.5 - 4.0	1.50	1.02	.30				
Type N	CHAN 1	DC - 6	120RKD16	1.25	1.02	0.30	2.50	4.62	
		6 - 12.4		1.80	1.03	0.80			
	CHAN 2	DC - 1.5	1.20	1.05	0.20				
		1.5 - 3.0	1.83	1.15	0.30				

Notes: Add "M" to part number to designate mounting flange.