

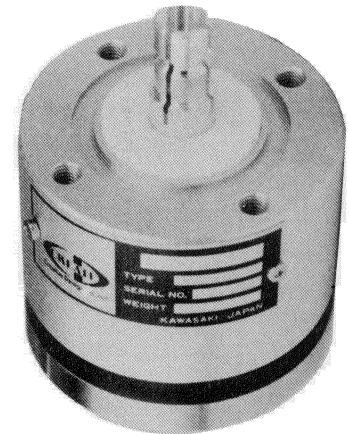


COAXIAL ROTARY JOINTS

CF-17D-x, CF-39D, CF-77D

DESCRIPTION AND APPLICATION

The CF-xxD is a coaxial rotary joint that provides connection between a stationary and rotary feedline permitting continuous rotation of antenna systems. The CF-xxD has a power capability as shown in the specification. The CF-xxD insertion loss averaging less than 0.1 dB. VSWR for this rotary joint is 1.05:1 maximum. Built to EIA specifications, all the conducting surfaces are composed of silver plated brass and beryllium copper. All the RF electrical insulators in the rotary joint are machined and molded teflon for maximum resistance against high voltage. Free rotation with minimum friction and maximum conductivity is assured through the use of graphite grease filled stainless steel bearings. Pressure integrity is assured through the employment of neoprene seal used in the rotary joint body.



CF-39D

SPECIFICATION

Type	CF-17D-1	CF-17D-3	CF-39D	CF-77D
Power Rating (Ave./PEP)	1/2 kW	5/10 kW	25/50 kW	50/100 kW
Insertion VSWR		- 1.1:1 DC to 100 MHz -		
Input Connector	N	LC-7/8" EIA Male	1-5/8" EIA Male	3-1/8" EIA Male
Weight	1.6 kg	2 kg	2.5 kg	4.5 kg
Operating Position	Vertical	Vertical	Vertical	Vertical

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