DIRECTIONAL COUPLERS



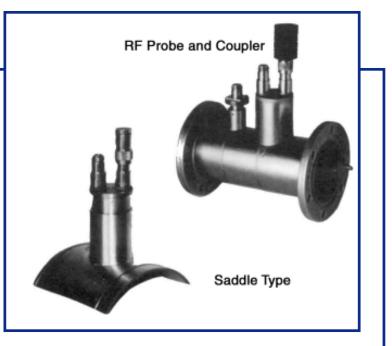
Micro Communications, Inc.

- Small Size
- Adjustable Coupling
- High Directivity
- External Load

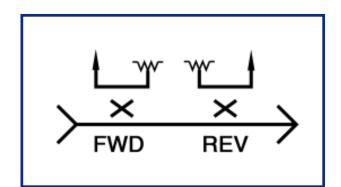
MCI's Directional Loop Couplers are designed to couple signals from a high power transmission line. These signals can be used for alarm circuits, envelope monitoring, frequency monitoring, forward and reverse wave monitoring, and a multitude of other operations.

The High Power Loop Coupler has an external load and can measure either forward or reverse power without rotation by manually repositioning the load. The advantage to utilizing an external load is that the coupler can handle higher power with closer values of coupling and the load can easily be replaced if damage occurs.

To measure forward and reverse power simultaneously, two couplers are required. Since MCI's couplers are very small, a number of single or multiple loops can be mounted circumferentially or in-line. Each coupler housing is welded to the line, ensuring the factory calibrated value of



coupling. All couplers are adjustable in height and angle to select the desired value of coupling and directivity. Precision built in height and angle scales are installed for presetting. Field installable "saddle" type couplers available also.



uci	SPECIFICATIONS		
	Frequency: VSWR:	50-1,000 MHz	
®	Primary Line: Secondary Line:	1.05 1.10	
Micro Communications, Inc.	Coupling Adjustable:	35-80 dB	
Microwave a Microwave techniques company	Directivity:	>30 dB	
	Impedance:	50	

ТҮРЕ		LOOP COUPLERS			
		HIGH POWER			
		UNFLANGED	FLANGED	SADDLE TYPE	
MODEL		51155	51555	51615	
NUMBER OF LOOPS		1	1	1	
SIZE	in	10	10	10	
	(mm)	(254)	(254)	(254)	
CONNECTOR	EIA	6 1/8	6 1/8	6 1/8 line	
MODEL		51152	51552	51612	
NUMBER OF LO	DOPS	1	1	1	
SIZE	in	6	6	6	
	(mm)	(152)	(152)	(152)	
CONNECTOR	EIA	4 1/16	4 1/16	4 1/16 line	
MODEL		51154	51554	51614	
NUMBER OF LOOPS		1	1	1	
SIZE	in	6	6	6	
	(mm)	(152)	(152)	(152)	
CONNECTOR	EIA	3 1/8	3 1/8	3 1/8 line	
MODEL		51153	51553	51613	
NUMBER OF LOOPS		1	1	1	
SIZE	in	6	6	6	
	(mm)	(152)	(152)	(152)	
CONNECTOR	EIA	1 5/8	1 5/8	1 5/8	



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