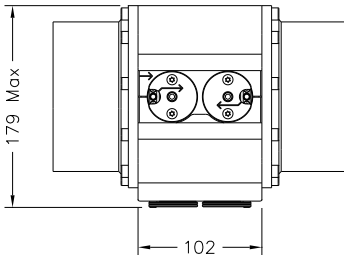
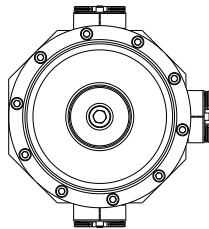
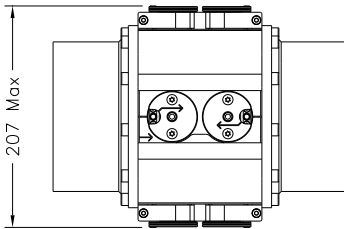
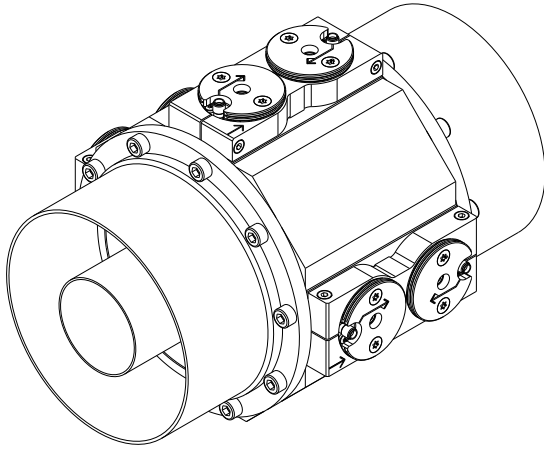


6-Slot RL-120 Directional Coupler

DC6A120



FEATURES

- *Accuprobe*: Equalized-Response Probes
- Single Accuprobe: Integrated Load; Short-Circuit Button
- Dual Accuprobe: Simultaneous FWD and RFL Meas. ⁽¹¹⁾
- SMA or N Probe Connectors
- Modular Connector System
- 10-Year Warranty

SPECIFICATIONS

Code / Revision	UHF	C-DC6A120/nC / A
	VHF B.III	C-DC6A120/nB / A
	VHF B.I	C-DC6A120/nA / A
	FM	C-DC6A120/nF / A
	<i>n</i> : Number of Probes	
Frequency Range	UHF	470-862 MHz
	VHF B.III	174-240 MHz
	VHF B.I	47-100 MHz
	FM	87.5-108 MHz
Max RMS Input Power ⁽³⁾	UHF	48.0 kW (700 MHz)
	VHF B.III	83.0 kW (230 MHz)
	VHF B.I	134.0 kW (88 MHz)
	FM	121.0 kW (108 MHz)
Probe Connectors	SMA or N Female	
Reference Load	Single	2 W, Integrated
	Dual	None ⁽¹¹⁾
Max Measurement Level	32 dBm	
No. of Probes / Measures	Single	Up to 6 / Up to 6
	Dual ⁽¹¹⁾	Up to 6 / Up to 12
Coupling Ranges ⁽¹⁰⁾	UHF	-52 to -72 dB
		-46 to -54 dB (High Coupling ⁽⁹⁾)
	VHF B.III	-52 to -72 dB
		-60 to -80 dB (Low Coupling ⁽⁹⁾)
	VHF B.I	-66 to -86 dB
	FM	-59 to -79 dB
In-Band Coupling Variation	(Nominal Coupling) ± 0.2 dB	
Return Loss (VSWR)	> 34 dB (1.04)	
Directivity	Single	> 32 dB
	Dual ⁽¹¹⁾	> 26 dB
Max Operating Temperature (Body)	65 °C (149 °F)	
Environmental Conditions	-5 to +55 °C (+23 to +131 °F), IP60	
Dimensions / Weight ⁽¹⁾	102x179x207 mm / 5.6 kg	
Connectors ⁽⁶⁾	2x 150 mm Input; Output	
	D-PC150S	RL-120 <i>FastLine</i> Socket (Default)
	D-PC150T	RL-120 <i>FastLine</i> Plug
	D-PC150X	RL-120 <i>FastLine</i> Flange
	D-PC150U	6+1/8" <i>FastLine</i> Socket
	D-PC150V	6+1/8" <i>FastLine</i> Flange

⁽¹⁾ Approximate, default configuration ⁽³⁾ Altitude < 1500 m (4,900 ft.), Free air, Ambient temp. < 30 °C (86 °F) ⁽⁶⁾ Other Connections available ⁽⁹⁾ Available on Single Accuprobe only

⁽¹⁰⁾ Coupling Range Steps: 0.1 dB ⁽¹¹⁾ Both measurement ports have the same coupling level, and both must be terminated, with RL \geq 27 dB.