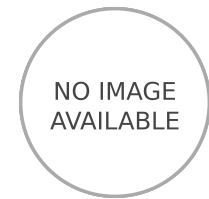




RFS rigid line components with aluminium outers are available for unpressurized (indoor).

**FEATURES / BENEFITS**

- Line inner and outer tubing is of high conductivity aluminium, and the inner is of hard-drawn copper, milled to exact dimensions. Unflanged components have a plain matt finish.
- Captive PTFE dielectric insulators are used exclusively
- Captive PTFE dielectric insulators are used exclusively in lines and elbows to ensure precision mating and stability of components after assembly
- All inner conductor connectors are silver plated
- All components conform to the relevant EIA or IEC standards



**Technical features**

**STRUCTURE**

<b>Product Line</b>		Components
<b>Product Type</b>		Aluminium Rigid Line Components 4-7/8" 50 ohm
<b>Size</b>		4-7/8
<b>Feeder Type</b>		Air Dielectric, solid inner and outer PTFE spacers
<b>Conductor Material</b>		Outer: High conductivity aluminium tube Inner: High conductivity copper tube
<b>Outer Conductor OD</b>	mm (in)	123.2 (4.85)
<b>Outer Conductor ID</b>	mm (in)	120 (4.724)
<b>Inner Conductor OD</b>	mm (in)	52.1 (2.051)
<b>Inner Conductor ID</b>	mm (in)	50.1 (1.972)

**ELECTRICAL SPECIFICATIONS**

<b>Frequency Range</b>	MHz	50 - 862
<b>Frequency Band</b>		VHF Band I, VHF Band II, VHF Band III, UHF Band IV/V
<b>Impedance, ohms</b>	Ω	50 +/- 0.5
<b>Velocity</b>	%	99,8
<b>Peak Power Rating</b>	kW	2160
<b>RF Peak Voltage, Volts</b>	V	14700
<b>Part number EIA Flanged RL</b>		53,755
<b>Isolation</b>	dB	32
<b>Output Power Split</b>	dB	3 +/- 0.15 Note#2
<b>Output Phase</b>	degrees	90 +/- 1 Note#2

**MECHANICAL SPECIFICATIONS**

<b>Weight</b>	kg/m (lb/ft)	3.7 (2.48)
<b>Standard lengths</b>	m (ft)	5.5 (18)
<b>Max. indoor clamp spacing</b>	m (ft)	2 (6.5)

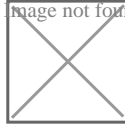
**ORDERING INFORMATION**

<b>Length Unflanged RL</b>	m	55
<b>Part number Unflanged RL</b>		53,755

Example text  
new



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External Document Links  
[RigidLineComponents.pdf](#)

Notes