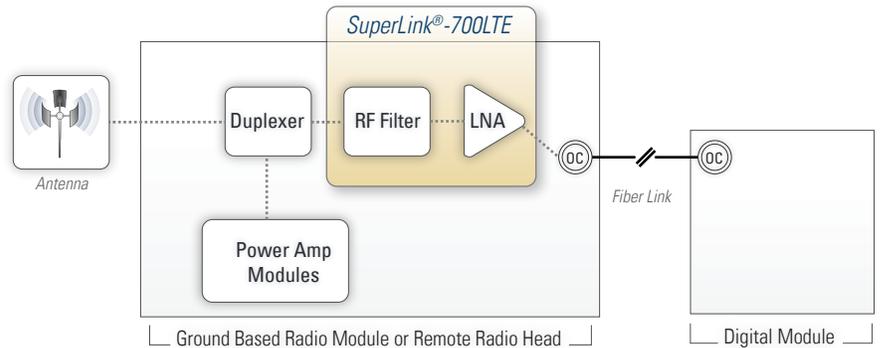


The **SuperLink®-700LTE** is an ultra low noise receiver front end with unmatched interference protection from both MediaFlo and Digital Television Channel 51. It is designed to be incorporated into either Ground based Radio Modules or Remote Radio Heads for the ABC bands of the lower 700 MHz spectrum and LTE. The product consists of two high order filters, two LNA's and a control board in a single compact package*. It requires no maintenance, has exceptional reliability and is designed to interface with the rest of the Remote Radio Head with limited integration effort.

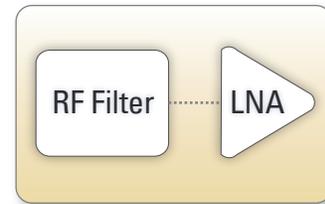


One RF Path Shown

* STI can offer High Performance Duplexers if needed

System Performance

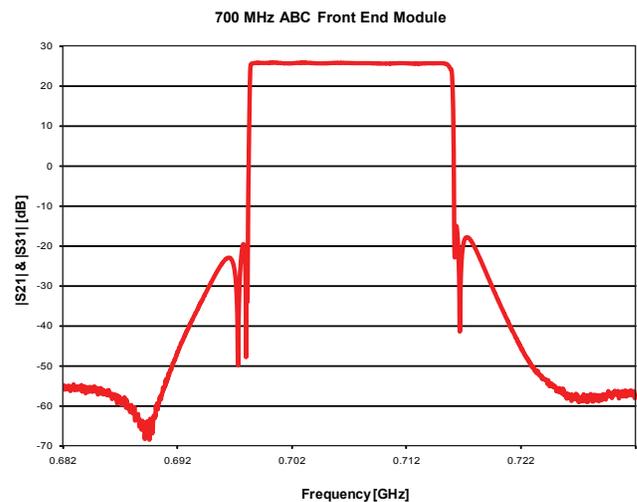
» Receive Noise figure:	0.8 dB max (from 698.3 MHz - 715.7 MHz)
» Gain:	24 dB
» VSWR:	1.5:1 Typical
» OIP3:	+29 dBm Typical
» Maintenance:	None
» Reliability:	>> 500,000 hours MTBF
» Bypass:	Auto



One Rx Path Shown

Filter Response

» Rejection at 697.8 MHz:	35 dB minimum
» Rejection at 716.2 MHz:	35 dB minimum



Mechanical/Environmental

» Alarming Interface:	Form C contact interface direct to power board
» Thermal Management:	Max thermal interface temp ~ 85°C
» Power Input Requirement:	-48V DC 5 Amp max breaker Input power: 50W Steady State
» Input and Output Connector Type:	SMA Female
» Module Size:	~ 14.75" x 6.25" x 4" (375mm x 159mm x 102mm)
» Weight:	~ 15 lbs
» Storage Temperature:	-45° - +90°C
» Operating Temperature:	-40° - +55°C
» Mounting:	TBD per requirements

SuperLink[®]-700LTE (supports 2 RF paths)

