

▶ TTLNA for 700MHz

1.1. Electrical Specifications

Parameter		Specifications	
RX	Frequency Range	698MHz to 716MHz	
	Insertion Loss	RX Pre	<1.0dB
		RX Post	<0.5dB
	Gain Ripple(peak to peak)	RX Pre	<0.5dB
		RX Post	<0.3dB
	Gain Delay Ripple(peak to peak)	RX Pre	TBD
		RX Post	TBD
	Return Loss	RX Pre	>18.0dB
RX Post		>18.0dB	
Rejection	RX Pre	>75dB(@728MHz to 746MHz) >50dB(@DC to 645MHz)	
	RX Post	>40dB(@728MHz to 746MHz)	
TX	Frequency Range	728MHz to 746MHz	
	Insertion Loss	<0.5dB	
	Group Delay Ripple(peak to peak)	<40nS	
	Return Loss	>18.0dB	
	Rejection in RX Band	>40.0dB(@698MHz to 716MHz)	
	Input Power, RMS	40watts maximum	
	Input Power, PEP	800watts maximum	
	IMD in RX band at BTS port with 2TX x 20W	<-114dBm	

1.2. Environmental Specifications

Parameter	Specifications
Operating temperature range	-40 °C ~ +55 °C
Sealing(with N(F) connector closed)	IP65
Surge Suppression ANT Port	DC Ground
Surge Suppression BTS Port	3kV (IEC61000-4-5)

1.3. Mechanical Specifications

Parameter	Specifications
RF Connector	N female(in-line)
Dimensions(without connectors and mounting equipment)	200.0mmx160.0mmx92.0mm
Outside finish	Black

2. Drawing

