

## ► TTLNA for 3.5GHz B\_Type

### 1.1. Electrical Specifications

Parameter		Specifications	
RX	Frequency Range	3400MHz to 3450MHz	
	Insertion Loss	RX Pre	<1.0dB
		RX Post	<0.7dB
	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(@3500MHz to 3550MHz) >50dB(@DC to 3100MHz)	
	RX Post	>40dB(@3500MHz to 3550MHz)	
TX	Frequency Range	3500MHz to 3550MHz	
	Insertion Loss	<0.8dB	
	Group Delay Ripple(peak to peak)	<30nS	
	Return Loss	>18.0dB	
	Rejection in RX Band(@3400MHz to 3450MHz)	>40.0dB	
	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℃ ~ +55℃
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)	200.0mmx160.0mmx65.0mm
Outside finish	Black

