

## RF FRONT END UNIT

### (Model # : FEIU-PK)



#### ▶ Description

This FEIU-PK is RF Front-End Unit that is applied to WCDMA asynchronous base station transceiver system(BTS) PICO Node B.

Take charge Pico BTS Front-End Interface that need in cell extension for efficient net extension. FEIU-PK consists of Duplexer, Coupler, BPF, LNA module being consisted of 1Tx and 2Rx path.

#### ▶ Specifications

Model No.	FEIU - PK			
	Tx Path		Rx Path	
Frequency Range	2150 ~ 2170 MHz		1960 ~ 1980 MHz	
Temperature Range	-30°C ~ +70°C		-30°C ~ +70°C	
Gain	-31 ± 0.5 dB		31 ± 0.5 dB	
Insertion Loss	Room Temp.	-30°C ~ +70°C	Gain –	0.5 dB max.
	0.7 dB max.	0.7 dB max.	Flatness	
Pass band Ripple	0.35dB max.	0.35dB max.	-	
VSWR	IN	1.288:1 max.		1.22:1 max.
	OUT			
2ndHarmonic Rejection	80.0 dB min.		-	
Isolation	105 dB		100 dB	
Group Delay	90 ± 10 nsec		50 ± 10 nsec	
Noise Figure	-		2.0 dB max.	
1dB Compression Point	-		27 dBm min.	
3 <sup>rd</sup> order Intercept Point	-		40 dBm min.	
Power Handling	100 Watts, max.		-	
Coupling	-30 dB ± 0.5 dB		-	

\* The specification can be modified upon buyer's requests.

\* All specifications are subject to change without notice.

\* The latest specifications are available at [www.actipass.com](http://www.actipass.com)