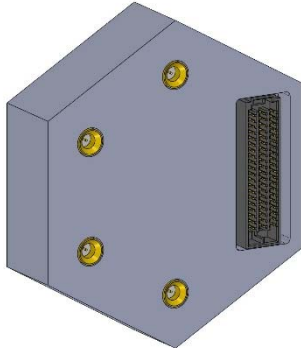


**Block Diagram**



**Features**

- 2-18GHz Dual TRM
- Support 2x2 MIMO transceiver
- Up to 2W over full band

**Description**

AS-00118-A is a state-of-the-art dual TRM covering the 2-18GHz frequencies. Internally 2 x RX chain and 2 x TX chain are singularly connected to 4 antennas connectors.

The AS-00118-A is equipped with GaN power amplifier delivering up to 2W over the full band with an efficiency of more than 20%. A NF of 5dB with an RX gain of 21dB guarantees very good receiving performances over the full band.

The AS-00118-A is designed to be used together with AS-00117-A, transceiver module to realize a full equipped MIMO fronted.

**Module Specifications \***

<b>Parameter</b>	<b>Typ.</b>	<b>Unit</b>
RF Operating Frequencies	2 ÷ 18	GHz
Pout	Up to 2W	
NF	5	dB
RX Gain	21	dB
TX Gain	19	dB
RF I/O Interfaces	8 x SMP	
Data / Power Input Interface	SAMTEC SEAM 120pin	
Dimensions	7 x 7 x 1,5 (L x W x H)	cm

\*Specification may change without notice