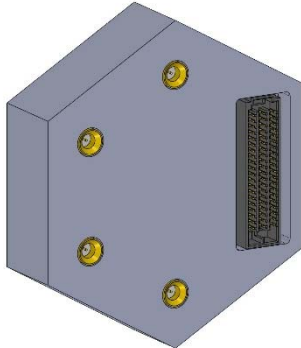


### Block Diagram



### Features

- 20-49GHz Dual TRM
- Support 2x2 MIMO transceiver
- Up to 25dBm over full band

### Description

AS-00120-A is a state-of-the-art dual TRM covering the 20-40GHz frequencies. Internally 2 x RX chain and 2 x TX chain are singularly connected to 4 antennas connectors.

The AS-00120-A is equipped with GaAs power amplifier delivering up to 25dBm over the full band with an efficiency of more than 20%. A NF of 5.5dB with an RX gain of 19dB guarantees very good receiving performances over the full band.

The AS-00120-A is designed to be used together with AS-00119-A, transceiver module to realize a full equipped MIMO fronted.

### Module Specifications \*

<b>Parameter</b>	<b>Typ.</b>	<b>Unit</b>
RF Operating Frequencies	20 ÷ 40	GHz
Pout	25	dBm
NF	5.5	dB
RX Gain	19	dB
TX Gain	14	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