

S-Band Solid State Power Amplifier



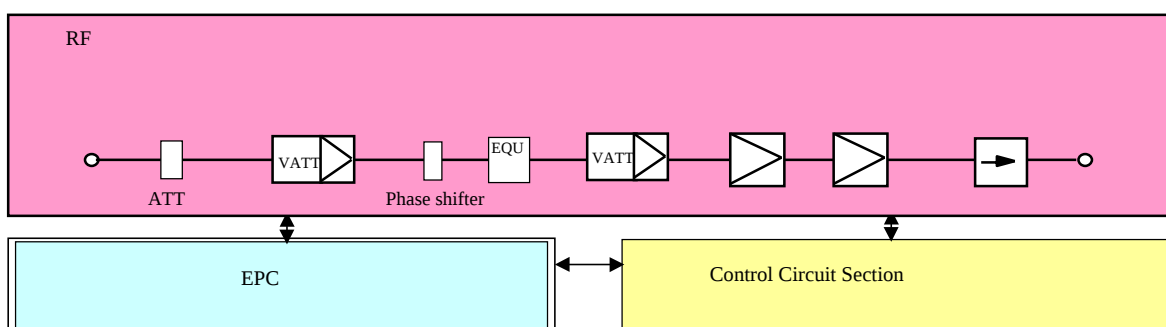
Features

- Active Array Communication Purpose
- Good Phase and Gain Tracking Performance
- P-HEMT MMIC Technology for Low Power Amplifier
- 660 grams Compact Design

Heritage

- ETS-VIII
- ICO

Block Diagram



Performance Summary

<u>Items</u>	<u>Description</u>	<u>Remarks</u>
Operating Frequency Range	2.5 - 2.54 GHz	
Nominal Gain	50 dB nominal	@multicarrier
Rated Output Power	10 Watts	@multicarrier
Overdrive Capability	Up to +5 dBm	
NPR	16 dB minimum	@10 W
Efficiency	26 %	@multicarrier, 10W output
Phase and Gain Tracking	+/-5 deg and +/-0.5 dB / 10 degC pp	Over daynamic range
Size	260(L) x 60(D) x 108(H) mm	
Mass	0.66 kg nominal	
Life	12 years	