

C-Band Solid State Power Amplifier

(10-20w Class SSPA)



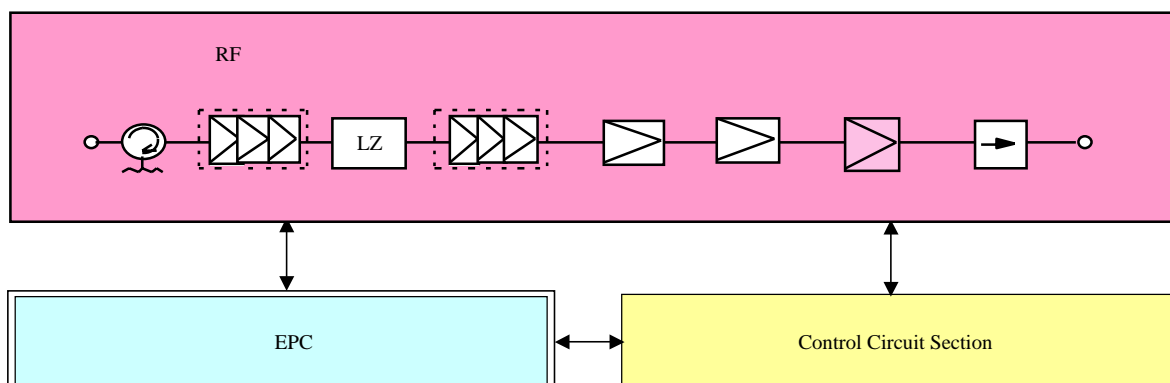
Features

- Light weight and compact chassis
- Low distortion performance by Linearizer technique
- High efficiency by Internal matched MESFET
- Optimized temperature compensation by PROM

Heritage

- INTELSAT IX
- INSAT-3C,D and E
- SINOSAT

Block Diagram



Performance Summary

<u>Items</u>	<u>Description</u>	<u>Remarks</u>
Operating Frequency Range	350MHz band over 3.4 - 4.2 GHz	
Nominal Gain	80 dB	@P2dB
Rated Output Power	up to 21 Watts	@P2dB
Overdrive Capability	up to +15 dBm	
Gain Control	Total 34 dB/ 1 dB step	Gain Status TM is available
NPR	14.5dB	@-3dB IBO
Efficiency	37% minimum	@P2dB
Mass	1.1 kg nominal	
Life	15 years	