

Heritage Telemetry Transmitter Line Up

S-band Telemetry Transmitter with 20W SSPA



Major Characteristics

- o Downlink Frequency : 2GHz band
- o Modulation : PM
- o 4 TM video signal input / 2 Ranging signal input
- o Automatic modulation index control
- o Dual output port : High=+43dBm, Low=+35dBm.
- o Separately command ON/OFF function of High/Low power output
- o Dual Frequency Operation (Selectable by external command)

Specification Table

Parameter	Performance	Comment
Output Frequency	2.3GHz band	
Output Frequency Stability	Overlife : ± 10 ppm	15 years
Output Power	Hi Power Output : +43dBm min. Lo Power Output: +35dBm min.	
Phase Noise	3 deg. rms	
Spurious Output	Harmonics: -40dBc max Others: -60dBc max	2nd and 3rd
Modulation	PM (Up to 3 sources)	
Modulation Index	1.0rad o-p (Automatic MI control)	
Power Consumption	24 W for Low Power Mode 82W for High Power Mode	
Mass	3.8kg max	
Operating Temperature	QT : -20 to +70degC	
Non-operating Temperature	-30 to 75degC	