5300 Beethoven Street, Los Angeles, CA 90066
TEL: (310)306-5556 • FAX: (310)821-7413
WEB: www.ophirrf.com • E-MAIL: sales@ophirrf.com

MODEL 7019

380 - 4000 MHz
50 WATTS
BANDED POWER RF AMPLIFIER

Solid State Broadband High Power RF Amplifier

The 7019 is a dual channel broadband system that that covers the 380MHz – 4000 MHz frequency range in a single Antenna port.

The system includes RF high power switch controlled by the system controller. The RS232/Ethernet and/or Front panel key-pad provides full control of the HPA and reduces the power consumption to the minimum by shutting down the un-selected channel.

	Parameter	Specification @ 25° C
Electrical		
1	Frequency Range	380MHz – 4000 MHz
2	Output Power @ Psat	50W Minimum
3	IP3	+52dBm Typical
4	Nominal RF drive for rated power	0 dB typ.
5	Small signal gain	48dB min
6	Small signal flatness	+/-3 dB max
7	Input VSWR	2:1 max
8	Input/Output Impedance	50 Ohms nominal
9	Harmonics	-20 dBc Minimum
10	Spurious Signals	< -60 dBc typical
11	Temperature Protection	Base plate above 80º C
12	AC Input	100 – 240 VAC, single phase
13	AC Power Consumption	600W max
14	Maximum RF Input	10 dBm max
15	Band Switching time	100mS max
16	Class of Operation	A/AB
Mechanical		
17	Dimensions	19” x 8.75” x 26”
18	Weight	80 lb. max
19	Connectors	Type-N
20	Grounding	Chassis
21	Cooling	Internal Forced Air
Environmental		
22	Operating Temperature	0º C to +50º C
23	Operating Humidity	95% Non-condensing
24	Operating Altitude	Up to 10,000’ Above Sea Level
25	Shock and Vibration	Normal Truck transport

Specifications subject to change without notice

Approved By: _____ Date: _____

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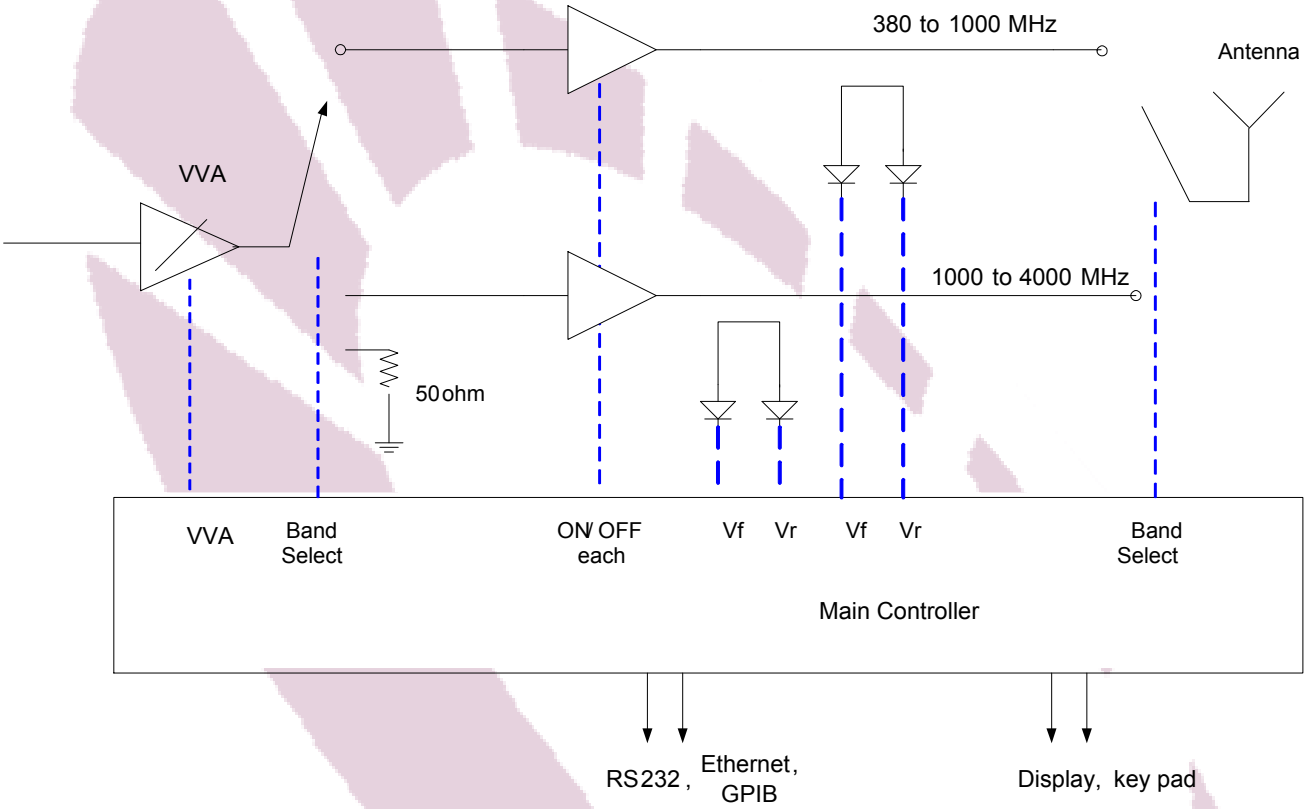

CIRCUIT INDICATIONS

◊ Forward Power
◊ Reflected power
◊ VSWR Fault
◊ Temp Fault
◊ Gain Setting (VVA) percentage

CIRCUIT PROTECTIONS

◊ Infinite VSWR
◊ Thermal Overload
◊ Over Current
◊ Over Voltage

CIRCUIT CONTROL

◊ Standby (amplifier disable)
◊ Gain/power setting with 20dB range
◊ Temp Fault
◊ Band Selection