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## MODEL 4034-004

**350 - 355 MHz**  
**300 WATTS**  
**LINEAR POWER RF AMPLIFIER**

### Solid State Band-specific High Power RF Amplifier

The 4034-004 is a 250 Watt band-specific amplifier that covers the 350 – 355 MHz frequency range. This small and lightweight amplifier utilizes Class A/AB linear power devices that provide an excellent 3<sup>rd</sup> order intercept point, high gain, and a wide dynamic range.

Due to robust engineering and employment of the most advanced devices and components, this amplifier achieves high efficiency operation with proven reliability. Like all OPHIR<sub>RF</sub> amplifiers, the 4034-004 comes with an extended multiyear warranty.

	Parameter	Specification @ 25 °C
<b>Electrical</b>		
1	Frequency Range	350 – 355 MHz
2	Saturated Output Power	300 Watts typical
3	Power Output @ 1dB Comp.	200 Watts min
5	Small Signal Gain	+55 dB min
6	Small Signal Gain Flatness	± 0.5 dB max
7	IP <sub>3</sub>	+58 dBm typical
8	Input VSWR	2:1 max
9	Harmonics	-20 dBc typical @ 200 Watts
10	Spurious Signals	< -60 dBc typical @ 200 Watts
11	Input/Output Impedance	50 Ohms nominal
12	AC Input Power	1500 Watts max
13	AC Input	100 – 240 VAC, single phase
14	RF Input	0 dBm max
15	RF Input Signal Format	CW/AM/FM/PM/Pulse
16	Class of Operation	AB
<b>Mechanical</b>		
17	Dimensions	19" x 5.25" x 20"
18	Weight	50 lb. max
19	Connectors	Type-N
20	Grounding	Chassis
21	Cooling	Internal Forced Air
<b>Environmental</b>		
22	Operating Temperature	0° C to +50° 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.

### CIRCUIT PROTECTIONS

- ◇ Thermal Overload
- ◇ Over Current
- ◇ Over Voltage

### CIRCUIT CONTROL (w Controller Option)

- ◇ Standby (amplifier disable)
- ◇ Gain/power setting with 25dB range
- ◇ VSWR protection Reset
- ◇ ALC On/ Off

### CIRCUIT INDICATIONS (w Controller Option)

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



FE Model Shown

### ORDERING MODELS

- ◇ RE - R model with Ethernet, IEEE488 and RS232
- ◇ FE - F model with Ethernet, IEEE488 and RS232