

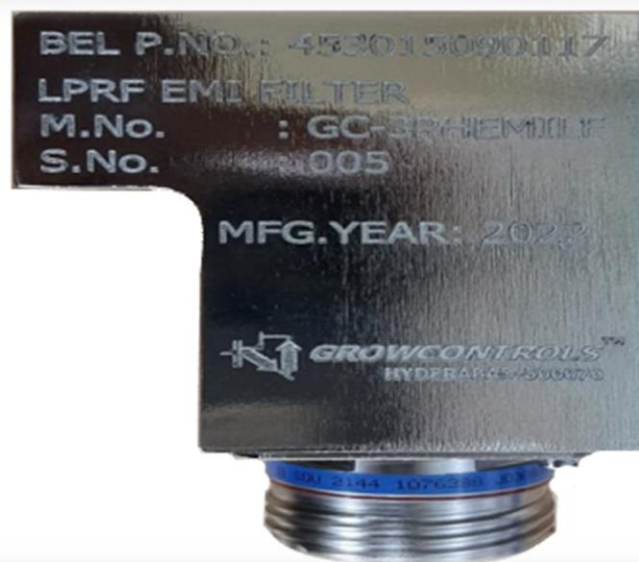
GROW CONTROL
POWER TECH PVT. LTD.

We Provide Solutions....

AN ISO 9001:2015 COMPANY



HPRF EMI FILTER



LPRF EMI FILTER

EMI FILTERS

GROW CONTROL proudly presents its advanced range of High Pass RF (HPRF) and Low Pass RF (LPRF) EMI/EMC Filters designed and developed for 115V, 3-Ph, 400Hz systems to meet the stringent EMI/EMC of defense, aerospace, and industrial applications. Leveraging cutting-edge technology and indigenous design, these RF systems deliver exceptional performance, high efficiency, and long-term reliability.

Our HPRF and LPRF solutions are designed to support critical communication systems, radar applications, and high-power microwave devices with precision and stability.

FEATURES

High Pass Radio Frequency (HPRF) Filter:

- Output power of 2kW range
- Wide frequency range from 2MHz to 18 GHz
- Conduction cooling
- Rugged design MIL-STD-461E/F/G compliant

HPRF Filter Electrical Characteristics:

FREQUENCY (MHz)	0.01	0.1	1	10
ATTENUATION (dB)	80	50	30	25

Low Pass Radio Frequency (LPRF) Filter:

- Compact and lightweight design
- Output power up to 1200W
- Wide frequency range from 2MHz to 18 GHz
- Rugged design MIL-STD-461E/F/G compliant

LPRF Filter Electrical Characteristics:

FREQUENCY (MHz)	0.01	0.1	1	10
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ATTENUATION (dB)	10	30	40	60
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APPLICATIONS

High Power RF (HPRF) Systems

- Radar Systems (Airborne, Ship borne, Ground-Based)
- High-Power Microwave Applications
- Military Communication and Jamming Systems
- Particle Accelerators
- High-Energy Physics Research

Low Power RF (LPRF) Systems

- Tactical Communication Systems
- Wireless Signal Transmission
- Satellite and Ground Communication
- Medical Equipment (MRI, Diagnostic Imaging)
- Test and Measurement Systems

ADVANTAGES

- **High Efficiency and Reliability** – Designed for continuous high-power operation under extreme environmental conditions
- **Advanced Protection Features** – Built-in safety mechanisms to prevent system failure
- **Compact and Modular Design** – Customizable configurations to meet specific operational requirements
- **Enhanced Signal Purity** – Low harmonic distortion and phase noise for high signal clarity
- **Indigenous Technology** – Developed and manufactured in India, supporting self-reliance in advanced RF technology

GROW CONTROL offers tailor-made solutions to meet specific customer requirements. For detailed product specifications, technical support, and ordering inquiries, please contact our sales and engineering team.

Customization Options

GROW CONTROL provides customizable solutions to meet the unique power requirements of various defense and aerospace applications. Our team of engineers collaborates with defense agencies and manufacturers to design solutions tailored to specific airborne platforms. Some customizable features include:

- **Output Voltage Levels**
- **Power Ratings**
- **Size and Form Factor Adjustments**
- **Specific Environmental Hardening**
- **Enhanced Protection Features**

Why Choose **GROW CONTROL**?

- **Indigenous Design:** Backed by over three decades of power electronics expertise, **GROW CONTROL** EMI filters meet high standards of reliability and performance.
- **Efficiency & Stability:** High efficiency and low ripple output ensure stable power delivery, critical for sensitive and precision applications in industrial, defense, and research sectors.
- **Safety and Reliability:** Designed with comprehensive protection mechanisms, these power supplies offer safe and dependable performance under demanding conditions.
- **Ruggedized for Harsh Environments:** Compliant with military standards, **GROW CONTROL** EMI filters are built to operate reliably in extreme environmental conditions.
- **Customer Support:** From customization and installation to support and maintenance, **GROW CONTROL** ensures seamless integration and optimal performance for all clients.

