

RF POWER AMPLIFIER FOR MR

# AMPLIFY YOUR MR IMAGING POSSIBILITIES



The **high-performance solid-state RF power amplifier** was designed according to the sound understanding of MR users' imaging needs in the **1.5 Tesla range**. Our years of MR system and imaging experience allow us to ensure high quality, reliability and lower total cost of ownership. The unique digital control delivers precise RF pulse profiles for outstanding MR imaging across a wide range of applications.

## KEY BENEFITS

### High power with ultra fidelity

- Large dynamic range with RF peak power up to 18 kW makes it possible to image plus-sized patients
- Fully digital control enables excellent linearity with all kinds of system and patient variations

### Assured reliability deliver high uptime

- Unique diagnostic function offers quality maintenance information as well as diagnostic and monitoring capabilities
- Remote firmware upgrade-ready

### Easy system integration

- Tested according to the latest EMC performance standards for access to all markets (4th edition)
- Wide input power range for global use

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Specifications		
Max Field B0 [Tesla]	<b>1.5</b>	
RF Amplifier type	<b>solid state, fully digital control</b>	
RF Peak Output Power [kW]	<b>18 kW</b>	
Output Frequency [MHz]	<b>63.87 MHz ± 500 KHz</b>	
Bandwidth [kHz]	<b>800 kHz (±400 kHz around operating frequency)</b>	
Cooling System	<b>Water-cooled</b>	
Stability [dB]	<b>&lt; 0.2</b>	
Linearity	Grain	<b>&lt; 0.5</b>
	Phase	<b>&lt; 6°</b>
Weight [kg]	<b>55</b>	
Mechanical Dimensions [mm]	<b>680 x 442 x 220</b>	

Integrated **MR solution bundles** can be created based on our single component offers to help meet our customers' individual needs.

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