

RF POWER AMPLIFIER FOR MR

AMPLIFY YOUR MR IMAGING POSSIBILITIES



Dunlee's **high-performance solid-state RF power amplifier** was designed based on a sound understand of 1.5T MR users' imaging needs. 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 for high uptime

- Unique diagnostic function offers quality maintenance information as well as diagnostic and monitoring capabilities
- Upgrade ready through remote firmware

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

DUNLEE

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

To help meet our customers' unique needs, integrated **MR solution bundles** can be created by combining Dunlee components.

All rights are reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright holder.

Dunlee reserves the right to make changes in specification and/or to discontinue any product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication.

Dunlee is a brand of the Philips Company Group

[Contact us for more information.](#)

Philips Medical Systems DMC GmbH
Tel.: +49 40 5078-1391 • Fax: +49 40 5078-1611
Röntgenstrasse 24 • 22335 Hamburg • Germany

dunlee.com