



Corian.

CHARGING SURFACE

POWERMAT® RING 1.5

Powermat® Ring 1.5 PMA Ring



The Ring is a light weight family of accessories that provides immediate access to Powermat® wireless charging network. It is a simple PMA wireless power receiver that is external to the Smartphone.

The Ring accessory is available in 3 connector types to supports over 95% of smartphones and mobile devices without any cables or adaptor tips:

- Micro-USB
- Apple Lightning
- Apple 30-pins

KEY FEATURES

Ring Gen 1.5 external features are similar to those of Gen 1:

Dimensions:

- External: R 17.8mm
- Internal: Ø17.4mm
- Thickness: 7.2mm

Electrical Parameters:

- Output Voltage: 5V
- Output current: <=1A
- Efficiency on PMA-3: 75%

Ring 1.5 New features	
Charge on new PMA Tx types	Support full range of PMA operational frequencies 100kHz-300kHz to ensure interoperability with both PMA-3 Tx and new Tx types of next PMA System Release 1E
Max output at any battery level	Improved current limit implementation to support higher loads than max output, which are applied by new Smartphones with dead/low battery (e.g. Galaxy S5), such that 1A current is provided continuously.
Enhanced FOD on Gen3 Charging Spot	Enhanced Rx-to-Tx signaling to enable Gen3 charging spot foreign object detection (FOD) during power transfer in more test scenarios, as aligned with PMA next release.

