

RPMH-1.5



The RPMH-1.5 series is a wide input voltage, 1.5A non-isolated switching regulator power module. The module accepts up to 60VDC input and provides a trimmable output from 2.6 up to 28VDC and comes complete with a full set of features including adjustable output, on/ off control, and power good signals. The ultra-compact module has a profile of only 3.75mm, but with an efficiency of up to 97%, the device can operate at full load in ambient temperatures as high as +100°C and with power derating up to 105°C without forced air cooling. The package is complete with 6-sided shielding for optimal EMC performance and excellent heat management.

Unique selling proposition:	Wide Vin 4.3 – 60VDC // Low-profile // SMD // 2.64 – 28Vout // -40°C to 100°C without derating // Only 1 output capacitor required for operation // Made in Europe
Target customer:	48V bus applications // Industrial transportation // e-mobility // Single solar-panel applications – bias supply for MPP tracker
Main features:	Enable // Sense // Trim // Power good // 6-side shielded // Derates to 105°C // UVLO // OCP // SCP // OTP
Web release date:	09-Dec-2020
Global sales release date:	09-Dec-2020
Available from sample stock:	RPMH3.3-1.5, RPMH5.0-1.5, RPMH12-1.5, RPMH15-1.5, RPMH24-1.5, RPMH3.3-1.5-CT, RPMH5.0-1.5-CT, RPMH12-1.5-CT, RPMH15-1.5-CT, RPMH24-1.5-CT

RPMH-1.5-EVM-1



The RPMH-0.5-EVM-1 generates a constant output voltage with an output current up to 1.5A from an external DC source. All the functions of the RPMH-1.5 such as trimming, sequencing, control, and sensing can be evaluated. Also the behavior in overload or over temperature can be evaluated easily before it is designed in.

Unique selling proposition:	Ready-to-go evaluation board – no soldering necessary // Allows evaluation of output voltage setting, control, power good, sense, and UVLO threshold // Designed for rapid performance and EMC filter evaluation to speed up time-to-market
Target customer:	48V bus applications // Industrial transportation // e-mobility // Single solar panel applications – bias supply for MPP tracker
Main features:	Ready-to-go evaluation board – no soldering necessary // Output voltage trimming // EMC class B filter on-board // Enable pin // Selectable sense function // Test points on board
Web release date:	09-Dec-2020
Global sales release date:	09-Dec-2020
Available from sample stock:	RPMH3.3-1.5-EVM-1, RPMH5.0-1.5-EVM-1, RPMH12-1.5-EVM-1, RPMH15-1.5-EVM-1, RPMH24-1.5-EVM-1