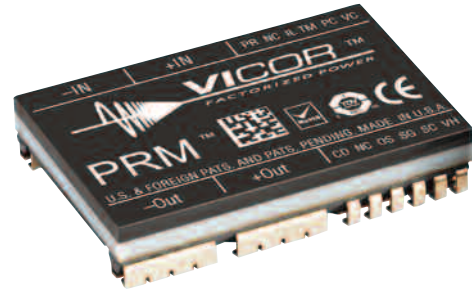


V-I Chip PRM Series

120-400 WATTS - DC/DC PRE-REGULATOR MODULE

FEATURES

- ZVS buck / boost reulator
- Small footprint: 1.1in2 (7.1cm2).
- Provides factorised bus for 48 Vin VTMs.
- J-Lead package.
- Efficiency: Up to 97%.
- Pick & place / SMD compatible.
- High density: Up to 875W/in3.



PRE-REGULATOR MODULE (PRM) PRODUCT DESCRIPTION

The PRM is a very efficient non-isolated regulator capable of both boosting and bucking a wide range input voltage and provides a regulated, adjustable output voltage or “Factorized Bus”. PRMs can be used stand-alone as non-isolated voltage regulators or combined with VTMs for a complete isolated, DC/DC solution with higher efficiency and power density.

MODEL NUMBER	INPUT VOLTAGE NOM (V)	INPUT VOLTAGE RANGE (V)	OUTPUT VOLTAGE RANGE (V)	OUTPUT POWER MAX (W)	OUTPUT CURRENT MAX (A)	TEMP. GRADE	PACKAGE
P024F048T12AL	24	18 - 36	26 - 55	120	2.5	T	Full
P036F048T12AL	36	18 - 60	26 - 55	120	2.5	T	Full
P045F048T17AL	45	38 - 55	26 - 55	170	3.5	T	Full
P045F048T32AL	45	38 - 55	26 - 55	320	6.67	T	Full
P048F048T12AL	48	36 - 75	26 - 55	120	2.5	T	Full
P048F048T24AL	48	36 - 75	26 - 55	240	5.0	T	Full
PRM48BF480T400A00	48	38 - 55	5 - 55	400	8.33	T	Full
PRM48BH480T200A00	48	38 - 55	5 - 55	200	4.17	T	Half

TYPICAL APPLICATION

