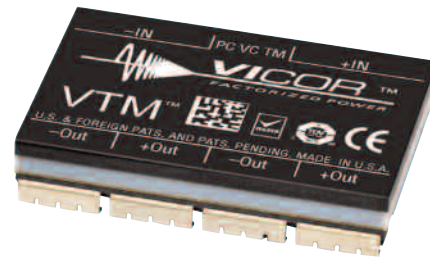


# V•I Chip VTM Series

300 WATTS - DC/DC CURRENT MULTIPLIER MODULE

## FEATURES

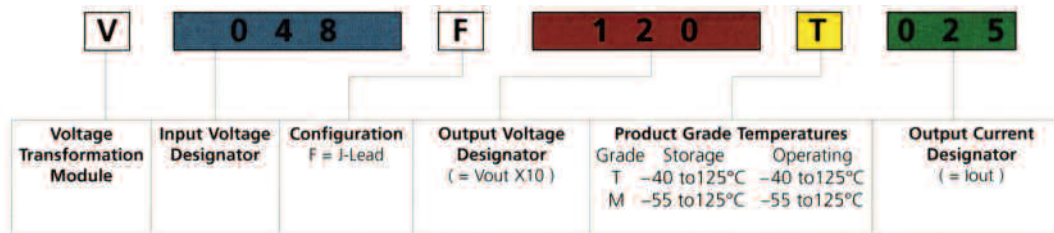
- 48 Vin V•I Chip Converter.
- >92% efficiency at 1.5V.
- Up to 100 A / 300 W.
- 125°C operation.
- High density - up to 365 A/in<sup>3</sup> (1,095 W/cm<sup>3</sup>).
- 1 μs transient response.
- Small footprint: 1.1in<sup>2</sup> (7.1cm<sup>2</sup>).
- >3.5 million hours MTBF.
- Low weight - 0.5 oz (14 g).
- J-lead package.
- Pick & Place / SMD compatible.



## VOLTAGE TRANSFORMATION MODULE (VTM) PRODUCT DESCRIPTION

The VTM provides point-of-load, fixed ratio voltage transformation with extremely fast transient response and isolation to 2,250 Vdc.

## PART NUMBERING



MODEL NUMBER	INPUT VOLTAGE RANGE (V)	OUTPUT VOLTAGE RANGE (V)	OUTPUT CURRENT MAX (A)	TEMP. GRADE	PACKAGE
VTM48EF012T130A00	26 - 55	0.65 - 1.37	130	T	Full
VTM48EF015T115A00 2	26 - 55	0.81 - 1.71	115	T	Full
VTM48EH015T050A00	26 - 55	0.81 - 1.72	50	T	Half
V048EF020T080A00	26 - 55	1.08 - 2.29	80	T	Full
VTM48EH020T040A00	26 - 55	1.08 - 2.29	40	T	Half
V048EF030T070A00	26 - 55	1.63 - 3.44	70	T	Full
V048EF040T050A00	26 - 55	2.17 - 4.58	50	T	Full
VTM48EH040T025A00	26 - 55	2.17 - 4.58	25	T	Half
V048F060T040	26 - 55	3.25 - 6.88	40	T	Full
VTM48FH060T020A00	26 - 48	3.25 - 6.88	20	T	Half
V048F080T030	26 - 55	4.33 - 9.17	30	T	Full
V048F096T025	32 - 55	6.40 - 11.00	25	T	Full
V048EF120T025A00	26 - 55	6.50 - 13.75	25	T	Full
VTM48EH120T010A00	26 - 55	6.50 - 13.75	10	T	Half
V048F160T015	26 - 55	8.67 - 18.33	15	T	Full
V048F240T012	26 - 53	14.00 - 26.50	12	T	Full
V048F320T009	26 - 55	17.33 - 36.67	9	T	Full
V048F480T006	26 - 55	26.00 - 55.00	6	T	Full

\* Full chip models also available in through hole and M grade.

## TYPICAL APPLICATION

