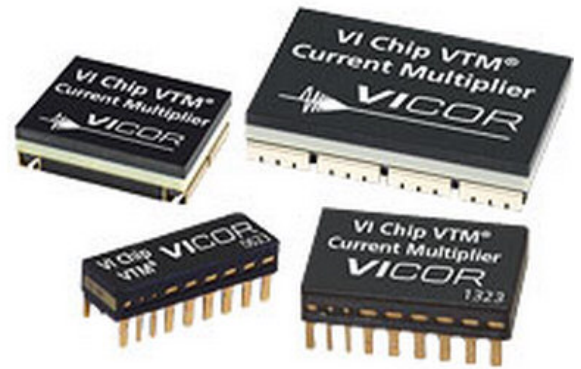


VICHIP VTM

DC/DC CURRENT MULTIPLIER MODULE

FEATURES

- 300 WATTS
- 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/in3 (1095 W/cm3).
- 1 µs transient response.
- Small footprint: 1.1in2 (7.1cm2).
- >3.5 million hours MTBF.
- Low weight - 0.5 oz (14 g).
- J-lead package.
- Pick & Place / SMD compatible



SELECTION TABLE

Part Number	Vin (V)	Vout (V)	Output Current (A)	Package
VTM48MP010x107AA1	48 (0-60)	1.0 (0-1.25)	107	1323
VTM48EF012T130B01	48 (26-55)	1.2 (0.7-1.4)	130	Full Chip
VTM48RP015x050AB1	48 (0-52)	1.5 (0-1.63)	50	623
VTM48EH015x050A00	48 (26-55)	1.5 (0.8-1.7)	50	Half Chip
VTM48EF015T115A00	48 (26-55)	1.5 (0.8-1.7)	115	Full Chip
VTM48KP020x088AA1	48 (0-55)	2.0 (0-2.3)	88	1323
VTM48EH020x040A00	48 (26-55)	2.0 (1.1-2.3)	40	Half Chip
VTM48Ex020y080A00	48 (26-55)	2.0 (1.1-2.3)	80	Full Chip
VTM48Ex030y070A00	48 (26-55)	3.0 (1.6-3.4)	70	Full Chip
VTM48Ex040y050B0R	48 (26-55)	4.0 (2.2-4.6)	50	Full Chip
VTM48EH040x025B00	48 (26-55)	4.0 (2.17-4.58)	25	Half Chip
VTM48Ex040y050B00	48 (26-55)	4.0 (2.17-4.58)	50	Full Chip
VTM48EH060x020A00	48 (26-55)	6.0 (3.25-6.87)	20	Half Chip
VTM48Ex060y040A00	48 (26-55)	6.0 (3.25-6.87)	40	Full Chip
VTM48Ex080y030A00	48 (26-55)	8.0 (4.34-9.16)	30	Full Chip
VTM48Ex096y025A00	48 (26-55)	9.6 (6.4-11.0)	25	Full Chip
VTM48EH120x010B00	48 (26-55)	12 (6.5-13.8)	10	Half Chip
VTM48Ex120y025A0R	48 (26-55)	12 (6.5-13.8)	25	Full Chip
VTM48Ex120y025A00	48 (26-55)	12 (6.5-13.8)	25	Full Chip
VTM48Ex160y015A00	48 (26-55)	16 (8.67-18.3)	15	Full Chip
VTM48Ex240y012A00	48 (26-55)	24 (13.8-26.5)	12	Full Chip
VTM48Ex320y009A00	48 (26-55)	32 (17.3-36.7)	9	Full Chip
VTM48Ex480y006A00	48 (26-55)	48 (26-55)	6	Full Chip