

DCM-VICHIP

DC/DC CONVERTER MODULE

FEATURES

- Isolated Regulated
- Vin: 24/28/270/290/300V
- Vout: 5/12/15/24/28/36/48V
- Power up to 600W
- High Power Density
- High Efficiency 93%
- Isolation to 4242Vdc
- Array 8 units without derating



SPECIFICATIONS

INPUT		OUTPUT	
Input voltages	16 – 50 Vdc	Output Voltage (SELV)	5 V / 12 V / 13.8 V / 15 V / 24 V / 28 V / 48 V
	18 – 36 Vdc		
	36 – 75 Vdc		
	160 – 420Vdc		
Efficiency	Up to 93%	Output Power	4623: Up to 600 W 3623: Up to 320 W
MECHANICAL			
Dimensions		4623: 47.91 x 22.8 x 7.26 mm	
		3623: 38.72 x 22.8 x 7.26 mm	

Device	Input Voltage Range	Package Type	Output Voltage x10	Temperature Grade	Output Power	Rev	Package Size	Version
DCM	24 (18 – 36)	P = ChiP Through-Hole	120 = 12 V	T = -40 to 125°C	180 = 180 W	A	4 = 4623	0 = Analog
MDCM = (MIL-COTS)	28 (16 – 50)		138 = 13.8 V	M = -55 to 125°C	320 = 320 W		5 = 3623	
	270 (160 – 420)		150 = 15 V		400 = 400 W			
	290 (160 – 420)		240 = 24 V		500 = 500 W			
	300 (180 – 420)		280 = 28 V		600 = 600 W			
			480 = 48 V					

SELECTION TABLE

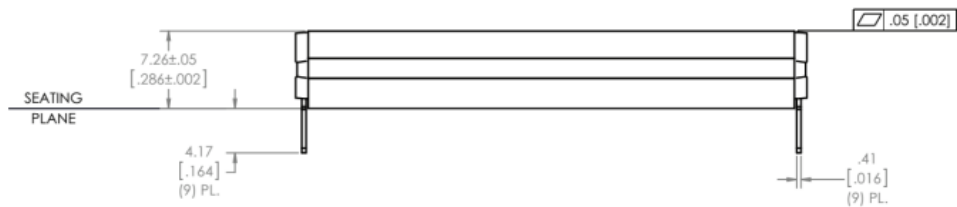
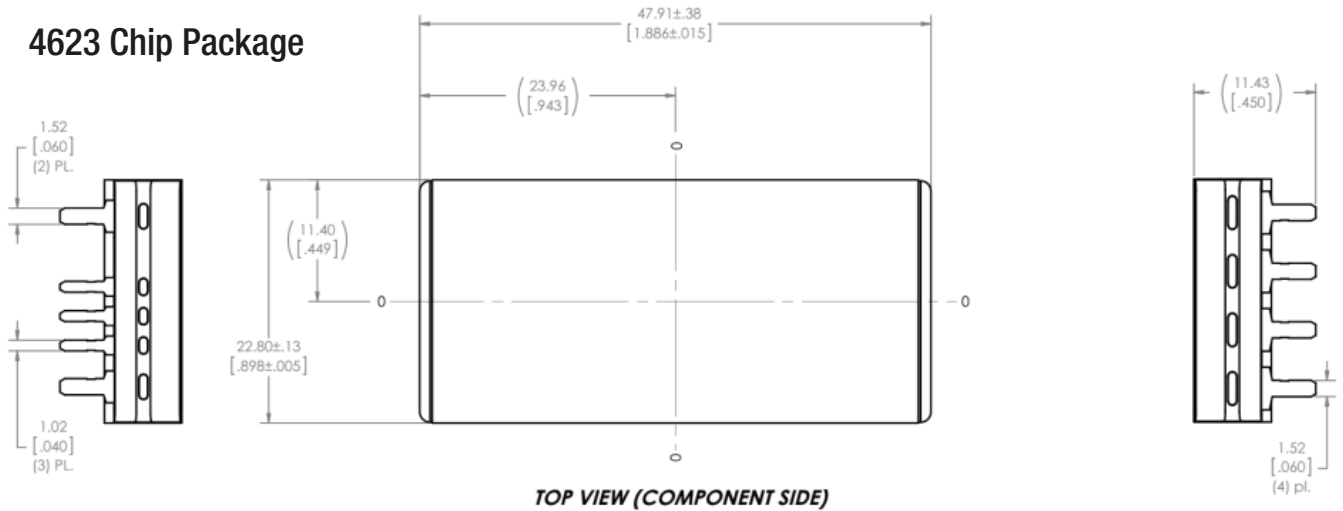
Part Number	Vin (V)	Vout (V)	Power (W)	Package
DCM24AP050T180A50	24 (18 - 36)	5.0 (4.0 - 5.5)	180	3623
DCM24AP120T320A50	24 (18 - 36)	12 (7.2 - 13.2)	320	3623
DCM24AP150T320A50	24 (18 - 36)	15 (9.0 - 16.5)	320	3623
DCM24AP240T320A50	24 (18 - 36)	24 (14.4 - 26.4)	320	3623
DCM24AP280T320A50	24 (18 - 36)	28 (16.8 - 30.8)	320	3623
DCM24AP360T320A50	24 (18 - 36)	36 (21.6 - 39.6)	320	3623
DCM24AP480T320A50	24 (18 - 36)	48 (28.8 - 52.8)	320	3623
DCM48AP120x320A50	48 (36 - 75)	12 (7.2 - 13.2)	320	3623
DCM48AP280x320A50	48 (36 - 75)	28 (16.8 - 30.8)	320	3623
DCM48AP360x320A50	48 (36 - 75)	36 (21.6 - 39.6)	320	3623
DCM290P138T600A40	290 (160 - 420)	13.8 (11.5 - 15.5)	600	4623
DCM300P120x400A40	300 (180 - 420)	12 (7.2 - 13.2)	400	4623
DCM300P240x600A40	300 (200 - 420)	24 (21.6 - 26.4)	600	4623
DCM300P280x500A40	300 (200 - 420)	28 (16.8 - 30.8)	500	4623
DCM300P480x500A40	300 (200 - 420)	48 (28.8 - 52.8)	500	4623

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TECHNICAL ILLUSTRATIONS

4623 Chip Package



NOTES:

1- RoHS COMPLIANT PER CST-0001 LATEST REVISION.

3623 Chip Package

