DC-DC Converter Short Form

MPDTH**020WAS/WAH (22A output POL-Alliance product)

Features

- Point-of-Load Alliance product
- Up to 22A output current
- Wide-Output Voltage Adjust (0.8-5.5V)
- High efficiency up to 95% TYP (@5Vin 3.3V/14Aout)
- Wide Operating Temp 40 °C to + 85 °C
- · Open frame TH or SMT termination
- Auto-Track TM Sequencing
- Margin Up/Down Controls
- Pre-Biased start-up
- Output Over-Current Protection
- Output Voltage Sense
- ON/OFF Inhibit
- Under-Voltage Lockout

	Ordering	Information
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Input	Output	Output	Model Number
Voltage	Voltage	Current	
3.0V to 3.6V	0.8V to 2.5V	22A	MPDTH03020WA(S)/(H)
4.5V to 5.5V	0.8V to 3.6V	22A	MPDTH05020WA(S)/(H)
10.8V to 13.2V	1.2V to 5.5V	18A	MPDTH12020WA(S)/(H)

OPTIONS: "WAS" -- SMT termination,

"WAH" - TH termination





- 1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- 2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.



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400LFM

200LFM

100LFM

Nat con

PTH05020W Safe Operating Area (Vout=3.3V)

10 12 14 16 18 20 22

lout (A)

90

80

70

40

20

0

2

4 6 8

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3

Thermal Derating





■ Conversion Efficiency



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