



15.5 - 40 VDC Input / 5 - 50 Watts



MTF50


- 50 Watt MIL-STD filter
- 10 - 40 VDC input
- DEF-STAN 59-411 & 61-5
- MIL-STD 461G, 1275A-E
- MIL-STD 704A-F, 810G

OPTIONAL



MTH100


- Increase hold up time
- 10 A output current
- 10 - 40 VDC input
- User programmable
- 98% efficiency



MTC05-30

- 5 - 35 Watts
- 10 - 40 VDC input
- Single & dual output
- MIL-STD 461G, 1275A-E
- MIL-STD 704A-F, 810G


10 - 40 VDC Input / Up to 75 Watts



DSF100


- 100 Watt MIL-STD filter
- Up to 7 A output
- DEF-STAN 59-411 & 61-5
- MIL-STD 461G, 1275A-E
- MIL-STD 704A-F, 810G

OPTIONAL



MTH100


- Increase hold up time
- 10 A output current
- 10 - 40 VDC input
- User programmable
- 98% efficiency



MTC75

- 75 Watts
- 10 - 40 VDC input
- Single & dual output
- MIL-STD 461G, 1275A-E
- MIL-STD 704A-F, 810G


10 - 40 VDC Input / Up to 150 Watts



DSF200LV / DSF226


- 200 Watt MIL-STD filter
- Up to 7 A output
- DEF-STAN 59-411
- DEF-STAN 61-5 & pt.6 Iss.6
- MIL-STD 461G, 1275A-E
- MIL-STD 704A-F, 810G

OPTIONAL



MTH100


- Increase hold up time
- 10 A output current
- 10 - 40 VDC input
- User programmable
- 98% efficiency



MTC150


- 150 Watts
- 10 - 40 VDC input
- Single & dual output
- MIL-STD 461G, 1275A-E
- MIL-STD 704A-F, 810G

10 - 40 VDC Input / Up to 450 Watts




FSO461

- 500 Watt MIL-STD filter
- Up to 28 A output
- 0 - 100 VDC input
- DEF-STAN 59-411
- MIL-STD 461G
- Passive EMI filter



DSF500

- 500 Watts
- Up to 28 A output
- DEF-STAN 61-5
- MIL-STD 1275A-E
- MIL-STD 704A-F, 810G



MTC75-150

- 150 Watts
- 10 - 40 VDC input
- MIL-STD 461G, 1275A-E
- MIL-STD 704A-F, 810G
- Parallelable

Designed for vetronic & avionic use (MIL-STD 461G, 1275A-E, 704A-F & 810G, DEF STAN 59-411 & 61-5)

Commercial off-the-shelf (COTS) is a term for components which are manufactured commercially, readily available, and are non-development items. This term is most often used in military systems. COTS systems are in contrast to systems that are produced entirely and uniquely for the specific application and therefore offer potentially large cost and time savings.

DC-DC Converters

Space Required	Series	Output Power	Input Range	Surge Input	Output Voltage	Inhibit	Sync	Voltage Trim	Overtemp. Warning	Current Share	MIL-STD 461G	DEF-STAN 59-411	MIL-STD 704A	MIL-STD 704B-F	MIL-STD 1275A-E	DEF-STAN 61-5
Mini 5W (1.26 x 0.76 x 0.34 in) (32 x 19.3 x 8.7 mm)	MTC05	5 W	15-40V	10-50V	3.3-28V	●	●	●	●	●	▲	▲	▲	●	▲	▲
Mini 15W (1.58 x 1.02 x 0.38 in) (40.0 x 26.0 x 9.7 mm)	MTC15	15 W	15-40V	10-50V	3.3 - 28V ±12 - ±15	●	●	●	●	●	▲	▲	▲	●	▲	▲
Mini 35W (2.28 x 1.81 x 0.50 in) (58.0 x 46.0 x 12.7 mm)	MTC30	35 W	15-40V	10-50V	3.3 - 28V ±12 - ±15	●	●	●	●	●	▲	▲	▲	●	▲	▲
Standard 2 x 1 in (2.00 x 1.00 x 0.40 in) (50.8 x 35.4 x 10.2 mm)	MTC35	35 W	10-40V	50V	3.3 - 28V ±12 - ±15	●	●	●	●	●	▲	▲	▲	●	▲	▲
1/4 Brick (2.28 x 1.45 x 0.50 in) (57.9 x 36.8 x 12.7 mm)	MTC50	50 W	10-40V	50V	3.3 - 28V ±12 - ±15	●	●	●	●	●	▲	▲	▲	●	▲	▲
1/2 Brick (2.40 x 2.28 x 0.50 in) (61 x 57.9 x 12.7 mm)	MTC75	75 W	10-40V	50V	3.3 - 28V ±12 - ±15	●	●	●	●	●	▲	▲	▲	●	▲	▲
1/2 Brick (2.40 x 2.28 x 0.50 in) (61 x 57.9 x 12.7 mm)	MTC150	150 W	10-40V	50V	3.3 - 28V ±12 - ±15	●	●	●	●	●	▲	▲	▲	●	▲	▲

● Compliant ▲ Compliant with MTF50 or DSF series modules

Filters and Surge Protection Modules

Space Required	Series	Output Power/ Current Rating	Steady State Input Range	Inhibit	Overtemp. Protection	Reverse Voltage Protection	MIL-STD 461G	DEF STAN 59-411	MIL-STD 704A-F	MIL-STD 1275A-E	DEF STAN 61-5	DEF STAN 61-5 P6 Issue 6
Mini Filter (1.57 x 1.25 x 0.51 in) (39.9 x 31.9 x 12.9 mm)	DSF100	100 W / 3.7 A	10 - 33V	●	●	●	●	●	●	●	●	●
Mini Filter (1.57 x 1.02 x 0.50 in) (40.0 x 26.0 x 12.7 mm)	MTF50	50 W	10 - 40V	●	●	●	●	●	●	●	●	●
1/4 Brick (2.41 x 1.45 x 0.51 in) (61 x 57.9 x 12.9 mm)	DSF200LV / DSF226	7 A 200 W	10 - 33V 15 - 33V	●	●	●	●	●	●	●	●	●
1/2 Brick (2.28 x 2.28 x 0.51 in) (57.9 x 57.9 x 12.9 mm)	DSF500	500 W / 28 A	10 - 33V	●	●	●	●	●	●	●	●	●
1/2 Brick (2.28 x 2.28 x 0.51 in) (57.9 x 57.9 x 12.9 mm)	FS0461	500 W / 28 A	10 - 33V	●	●	●	●	●	●	●	●	●

● Compliant Note: When selecting input filter for DC-DC converter, consider minimum input voltage and DC-DC efficiency - consult XP Power for assistance