

DC-DC converters - STEP DOWN REGULATORS - 0.5A and 1.0A

SCP = Short Circuit Protection

Power (A)	Series	Case Size	Input Range	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (A)	Isolation	Regulation	SCP	n max.	Operating Temp.	Certification
0.5	LC78_0.5	SIP3	wide	4.75-28	3.3; 5; 12	0.5	Non-isolated	▪	▪	95%	-40°C - +85°C	
0.5	LMT078_0.5	SMD open frame	wide	4.75-36	3.3; 5; 9; 12; 15	0.5	Non-isolated	▪	▪	93%	-40°C - +85°C	
0.5	LMT0E78_0.5	SMD open frame	wide	4.75-36	3.3; 5; 9; 12; 15	0.5	Non-isolated	▪	▪	93%	-40°C - +85°C	
0.5	LMTM78_0.5	SMD	wide	4.75-36	3.3; 5; 6.5; 9; 12; 15	0.5	Non-isolated	▪	▪	92%	-40°C - +100°C	
0.5	LMT78_0.5R	SMD	wide	4.75-36	1.5; 1.8; 2.5; 3.3; 5; 6.5; 9; 12; 15	0.5	Non-isolated	▪	▪	95%	-40°C - +85°C	
0.5	LMS78_0.5R	SIP3	wide	4.75 - 36	3.3; 5; 9; 12; 15	0.5	Non-isolated	▪	▪	96%	-40°C - +85°C	
0.5	LM078_0.5	SIP3 open frame	wide	4.75 - 36	3.3; 5; 12; 15	0.5	Non-isolated	▪	▪	93%	-40°C - +85°C	
0.5	LCN78_0.5	SIP3	wide	4.5-42	3.3; 5; 12	0.5	Non-isolated	▪	▪	96%	-40°C - +85°C	
0.5	LCP78_0.5	SIP3	wide	4.5-42	3.3; 5	0.5	Non-isolated	▪	▪	95%	-40°C - +85°C	
0.5	LCB78_0.5	SIP3	wide	4.5-55	3.3; 5	0.5	Non-isolated	▪	▪	95%	-40°C - +85°C	
0.5	LMW78_0.5R	SIP3	wide	9-90	3.3; 5; 6.5; 9; 12; 15; 24	0.5	Non-isolated	▪	▪	93%	-40°C - +85°C	
0.5	LCW78_0.5	SIP3	wide	9-75	3.3; 5; 6.5; 9; 12; 15	0.5	Non-isolated	▪	▪	89%	-40°C - +85°C	
0.5	LMTOW78_0.5	SMD open frame	wide	9-72	3.3; 5; 6.5; 7.2; 9; 12; 15	0.5	Non-isolated	▪	▪	84%	-40°C - +85°C	
1	LMT78_1.0R	SMD	wide	4.75-36	1.5; 1.8; 2.5; 3.3; 5; 6.5; 9; 12; 15	1.0	Non-isolated	▪	▪	95%	-40°C - +85°C	
1	LCE78_1.0	SIP3	wide	4.75-28	3.3; 5	1.0	Non-isolated	▪	▪	85%	-40°C - +75°C	
1	LME78_1.0	SIP3	wide	6-36	3.3; 5; 9; 12; 15	1.0	Non-isolated	▪	▪	96%	-40°C - +85°C	
1	LM078_1.0	SMD open frame	wide	6-36	3.3; 5; 12; 15	1.0	Non-isolated	▪	▪	94%	-40°C - +85°C	
1	LMT078_1.0	SMD open frame	wide	3-5.5; 4.6-36	1.2; 1.5; 1.8; 2.5; 3.3; 5; 6.5; 9; 12; 15	1.0	Non-isolated	▪	▪	94%	-40°C - +85°C	
1	LMS78_1.0R	SIP3	wide	6-36	3.3; 5; 9; 12; 15	1.0	Non-isolated	▪	▪	94%	-40°C - +85°C	
1	LC78_1.0	SIP3	wide	4.5-42	3.3; 5; 12	1.0	Non-isolated	▪	▪	93%	-40°C - +85°C	
1	LMP78_1.0	SIP3	wide	4.5-42	1.2; 1.5; 1.8; 2.5; 3.3; 5; 6.5; 9; 12; 15	1.0	Non-isolated	▪	▪	97%	-40°C - +85°C	
1	LCW78_1.0	SIP3	wide	5-72	3.3; 5; 9; 12; 24	1.0	Non-isolated	▪	▪	96%	-40°C - +100°C	
1	LMTM78-1.0	SMD Ultra thin DFN	wide	4.75-36	3.3; 5; 6.5; 9; 12; 15	1.0	Non-isolated	▪	▪	94%	-40°C - +105°C	



DC-DC converters - STEP DOWN REGULATORS - 1.5, 2, 3, 6, 10 and 16A

SCP = Short Circuit Protection

Power (A)	Series	Case Size	Input Range	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (A)	Isolation	Regulation	SCP	n max.	Operating Temp.	Certification
1.5	LMS78_1.5	SIP3	wide	4.75-18	1.5; 1.8; 2.5; 3.3; 5; 6.5	1.5	Non-isolated	▪	▪	95%	-40°C - +85°C	
1.5	LMP78_1.5	SIP3	wide	6-36	3.3; 5	1.5	Non-isolated	▪	▪	88%	-40°C - +85°C	
2	LMS78_2.0R	SIP3	wide	4.75-36	3.3; 5; 9; 12; 15	2.0	Non-isolated	▪	▪	93%	-40°C - +85°C	
2	LC78_2.0	SIP3	wide	4.5-30	1.8; 2.5; 3.3; 5; 12	2.0	Non-isolated	▪	▪	94%	-40°C - +85°C	
2	LCW78_2.0	SIP3	wide	4.5-36	1.8; 2.5; 3.3; 5	2.0	Non-isolated	▪	▪	90%	-40°C - +85°C	
2	LME78_2.0	SDIP3	wide	4.6-36	1.2; 1.5; 1.8; 2.5; 3.3; 5; 6.5; 9; 12; 15	2.0	Non-isolated	▪	▪	96%	-40°C - +85°C	
3	LC78_3.0	SIP3	wide	4.5-28	1.8; 2.5; 3.3; 5	3.0	Non-isolated	▪	▪	95%	-40°C - +85°C	
3	LM078_3.0	SIP5	wide	4.5-14; 10-30	0.59-6; 3-6; 5-15	3.0	Non-isolated	▪	▪	95%	-40°C - +85°C	
6	LOS_6	SIP	wide	2.4-5.5; 8.3-14	0.75-3.3; 0.75-5	6	Non-isolated	▪	▪	93%	-40°C - +85°C	
6	LOT_06R-X	SMD	wide	2.4-5.5; 8.3-14	0.75-3.3; 0.75-5	6	Non-isolated	▪	▪	93%	-40°C - +85°C	
10	LOT_10R-X	SMD	wide	8.3-14	0.75-5.0	10	Non-isolated	▪	▪	94%	-40°C - +85°C	
16	LOS_16	SIP	wide	8.3-14	0.75-5.0	16	Non-isolated	▪	▪	92%	-40°C - +85°C	
16	LOT_16	SMD	wide	8.3-14	0.75-5.0	16	Non-isolated	▪	▪	92%	-40°C - +85°C	



LCW78_1.0 series - Wide Input - Non-Isolated & Regulated - Single Output

14:1 Input Voltage Range 5 to 72VDC

Output Current: 1A - Compatible with LM78 Pin-Out - Standard SIP3 package