



Certificate of Compliance

Certificate: 2775170

Master Contract: 231746

Project: 2775170

Date Issued: November 19, 2014

Issued to: **MINMAX Technology Co., Ltd.**
18 Sin-Sin Road
An-Ping Industrial District
Tainan, 702
TAIWAN
Attention: **Mr. Lester Fang**

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by: 
Hades Lee

PRODUCTS

CLASS 5311 11 – POWER SUPPLIES - Component Type (For Canadian Certification)
CLASS 5311 91 – POWER SUPPLIES - Component Type (For US Certification)

DC to DC Converter, Models MAU100 Series, MAU200 Series, MFU100 Series, MIW3000 Series. Ratings as follow:

MAU100 Series					
Model Number	Transformer Number	Input Voltage Range	Rated Input Current (mA)	Output Voltage (V dc)	Output Current (mA)
MAU101	0B-MAU101-T1	Nominal: 5Vdc Range: 4.5-5.5Vdc	235	3.3	260
MAU102	0B-MAU102-T1		281	5.0	200
MAU103	0B-MAU103-T1		260	9.0	110
MAU104	0B-MAU104-T1		258	12.0	84



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MAU105	0B-MAU105-T1		258	15.0	67
MAU106	0B-MAU106-T1		278	±5.0	±100
MAU107	0B-MAU107-T1		262	±9.0	±56
MAU108	0B-MAU108-T1		258	±12.0	±42
MAU109	0B-MAU109-T1		258	±15.0	±34
MAU111	0B-MAU111-T1	Nominal: 12Vdc Range: 10.8-13.2Vdc	96	3.3	260
MAU112	0B-MAU112-T1		114	5.0	200
MAU113	0B-MAU113-T1		106	9.0	110
MAU114	0B-MAU114-T1		105	12.0	84
MAU115	0B-MAU115-T1		104	15.0	67
MAU116	0B-MAU116-T1		113	±5.0	±100
MAU117	0B-MAU117-T1		106	±9.0	±56
MAU118	0B-MAU118-T1		104	±12.0	±42
MAU119	0B-MAU119-T1		105	±15.0	±34
MAU151	0B-MAU151-T1		Nominal: 15Vdc Range: 13.5-16.5Vdc	93	5.0
MAU152	0B-MAU152-T1	85		12.0	84
MAU153	0B-MAU152-T1	85		15.0	67
MAU154	0B-MAU154-T1	93		±5.0	±100
MAU155	0B-MAU155-T1	85		±12.0	±42
MAU156	0B-MAU156-T1	85		±15.0	±34
MAU121	0B-MAU121-T1	Nominal: 24Vdc Range: 21.6-26.4Vdc		49	3.3
MAU122	0B-MAU122-T1		59	5.0	200
MAU123	0B-MAU123-		54	9.0	110



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	T1			
MAU124	0B-MAU124-T1		54	12.0
MAU125	0B-MAU125-T1		53	15.0
MAU126	0B-MAU126-T1		58	±5.0
MAU127	0B-MAU127-T1		55	±9.0
MAU128	0B-MAU128-T1		53	±12.0
MAU129	0B-MAU129-T1		53	±15.0

MAU200 Series					
Model Number	Transformer Number	Input Voltage Range	Rated Input Current (mA)	Output Voltage (V dc)	Output Current (mA)
MAU201	0B-MAU201-T1	Nominal: 5Vdc Range: 4.5-5.5Vdc	235	3.3	260
MAU202	0B-MAU202-T1		281	5.0	200
MAU203	0B-MAU203-T1		260	9.0	110
MAU204	0B-MAU204-T1		258	12.0	84
MAU205	0B-MAU205-T1		258	15.0	67
MAU206	0B-MAU206-T1		278	±5.0	±100
MAU207	0B-MAU207-T1		262	±9.0	±56
MAU208	0B-MAU208-T1		258	±12.0	±42
MAU209	0B-MAU209-T1		258	±15.0	±34
MAU211	0B-MAU211-T1	Nominal: 12Vdc Range: 10.8-13.2Vdc	96	3.3	260
MAU212	0B-MAU212-T1		114	5.0	200
MAU213	0B-MAU213-T1		106	9.0	110
MAU214	0B-MAU214-T1		105	12.0	84
MAU215	0B-MAU215-T1		104	15.0	67



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	T1				
MAU216	0B-MAU216-T1		113	±5.0	±100
MAU217	0B-MAU217-T1		106	±9.0	±56
MAU218	0B-MAU218-T1		104	±12.0	±42
MAU219	0B-MAU219-T1		105	±15.0	±34
MAU221	0B-MAU221-T1	Nominal: 24Vdc Range: 21.6-26.4Vdc	49	3.3	260
MAU222	0B-MAU222-T1		59	5.0	200
MAU223	0B-MAU223-T1		54	9.0	110
MAU224	0B-MAU224-T1		54	12.0	84
MAU225	0B-MAU225-T1		53	15.0	67
MAU226	0B-MAU226-T1		58	±5.0	±100
MAU227	0B-MAU227-T1		55	±9.0	±56
MAU228	0B-MAU228-T1		53	±12.0	±42
MAU229	0B-MAU229-T1		53	±15.0	±34

MFU100 Series

Model Number	Transformer Number	Input Voltage Range	Rated Input Current (mA)	Output Voltage (V dc)	Output Current (mA)
MFU102	0B-MFU102-T1	Nominal: 5Vdc Range: 4.5-5.5Vdc	290	5.0	200
MFU103	0B-MFU103-T1		260	9.0	110
MFU104	0B-MFU104-T1		262	12.0	84
MFU105	0B-MFU105-T1		257	15.0	67
MFU112	0B-MFU112-T1	Nominal: 12Vdc Range: 10.8-13.2Vdc	117	5.0	200
MFU113	0B-MFU113-T1		107	9.0	110
MFU114	0B-MFU114-T1		106	12.0	84
MFU115	0B-MFU115-T1		106	15.0	67
MFU122	0B-MFU122-T1	Nominal: 24Vdc Range: 21.6-26.4Vdc	60	5.0	200
MFU123	0B-MFU123-T1		54	9.0	110
MFU124	0B-MFU124-T1		53	12.0	84
MFU125	0B-MFU125-T1		53	15.0	67



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MIW3000 Series					
Model Number	Transformer Number	Input Voltage Range	Rated Input Current (mA)	Output Voltage (V dc)	Output Current (mA)
MIW3011	0B-MIW3011-T3	Nominal: 5Vdc Range: 4.5-7Vdc	1056	3.3	1200
MIW3012	0B-MIW3012-T3		1265	5.0	1000
MIW3013	0B-MIW3013-T3		1463	12.0	500
MIW3014	0B-MIW3014-T3		1463	15.0	400
MIW3015	0B-MIW3015-T3		1265	±5.0	±500
MIW3016	0B-MIW3016-T3		1463	±12.0	±250
MIW3017	0B-MIW3017-T3		1463	±15.0	±200
MIW3021	0B-MIW3021-T1	Nominal: 12Vdc Range: 9-18Vdc	429	3.3	1200
MIW3022	0B-MIW3022-T1		514	5.0	1000
MIW3023	0B-MIW3023-T1		595	12.0	500
MIW3024	0B-MIW3024-T1		595	15.0	400
MIW3025	0B-MIW3025-T1		514	±5.0	±500
MIW3026	0B-MIW3026-T1		595	±12.0	±250
MIW3027	0B-MIW3027-T1		595	±15.0	±200
MIW3031	0B-MIW3031-T1	Nominal: 24Vdc Range: 18-36Vdc	209	3.3	1200
MIW3032	0B-MIW3032-T1		251	5.0	1000
MIW3033	0B-MIW3033-T1		291	12.0	500
MIW3034	0B-MIW3034-T1		291	15.0	400
MIW3035	0B-MIW3035-T1		251	±5.0	±500
MIW3036	0B-MIW3036-T1		291	±12.0	±250



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MIW3037	0B-MIW3037-T1		291	±15.0	±200
MIW3041	0B-MIW3041-T1	Nominal: 48Vdc Range: 36-75Vdc	104	3.3	1200
MIW3042	0B-MIW3042-T1		126	5.0	1000
MIW3043	0B-MIW3043-T1		145	12.0	500
MIW3044	0B-MIW3044-T1		145	15.0	400
MIW3045	0B-MIW3045-T1		126	±5.0	±500
MIW3046	0B-MIW3046-T1		145	±12.0	±250
MIW3047	0B-MIW3047-T1		145	±15.0	±200

Note:

(1) The above models are intended for use with Information Technology Equipment, where the suitability of the combination is determined by CSA Group.

(2) Maximum operating ambient:

For MAU100 Series, MAU200 Series:
 Power Derating Curve 100%, full load:
 Maximum ambient (Tma) for models with output 3.3V, 5V: +75°C
 Maximum ambient (Tma) for other modes: +80°C

For MFU100 Series:
 Power Derating Curve 100%, full load:
 Maximum ambient (Tma) for models with output 5V: +70°C
 Maximum ambient (Tma) for other modes: +75°C

For MIW3000 Series:
 Power Derating Curve 100%, full load:
 Maximum ambient (Tma) for all modes: +70°C

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No 60950-1-07 - Information Technology Equipment - Safety - Part 1: General
 Incl. AM1 (2011) Requirements

ANSI/UL Std No 60950-1, 2nd - Information Technology Equipment - Safety - Part 1: General
 Ed. Incl. AM1 (2011) Requirements



Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
2775170	November 19, 2014	Original Certification.