



# Certificate of Compliance

Certificate: 70082189

Master Contract: 260727

Project: 70082189

Date Issued: 2016-06-16

Issued to: **Astec International Limited - Philippine Branch**  
3rd & 4th Fl Techno Plaza One Bldg,  
18 Orchard Rd, Eastwood City,  
Cyberpark, Bagumbayan  
Quezon City, 1110  
PHILIPPINES  
Attention: Mr. Peter Paul Dychitan

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only*



Neil Lin

Issued by:

## 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 AXA Series. Ratings as follow:

AXA Series:				
Model Number	Input Voltage Range	Rated Input Current (mA)	Output Voltage (V dc)	Output Current (mA)
AXA06F18-L, AXA06F18-L- HS	Nominal: 24Vdc Range: 9-36Vdc	950	3.3	6000



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AXA05A18-L, AXA05A18-L- HS		1170	5.0	5000
AXA02B18-L, AXA02B18-L- HS		1175	12.0	2090
AXA02C18-L, AXA02C18-L- HS		1160	15.0	1670
AXA01BB18- L, AXA01BB18- L-HS		1170	±12.0	±1040
AXA01CC18- L, AXA01CC18- L-HS		1180	±15.0	±840
AXA06F36-L, AXA06F36-L- HS	Nominal: 48Vdc Range: 18- 75Vdc	470	3.3	6000
AXA05A36-L, AXA05A36-L- HS		580	5.0	5000
AXA02B36-L, AXA02B36-L- HS		580	12.0	2090
AXA02C36-L, AXA02C36-L- HS		580	15.0	1670
AXA01BB36- L, AXA01BB36- L-HS		585	±12.0	±1040
AXA01CC36- L, AXA01CC36- L-HS		590	±15.0	±840
Note: The suffix “-HS” meaning is the converter with heat-sink				

Note:

For AXA Series:  
 Power Derating Curve 100%, full load:  
 Maximum ambient (Tma) for AXA06F18-L: +53°C  
 Maximum ambient (Tma) for AXA06F36-L : +57°C



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Maximum ambient (Tma) for AXA02C18-L, AXA05A36-L, AXA02B36-L, AXA02C36-L: +56°C  
Maximum ambient (Tma) for AXA05A18-L, AXA02B18-L, AXA01BB18-L, AXA01CC18-L,  
AXA01BB36-L, AXA01CC36-L: +50°C

For AXA-HS Series: Power Derating Curve 100%, full load:

Maximum ambient (Tma) for AXA06F18-L-HS: +61°C

Maximum ambient (Tma) for AXA06F36-L-HS: +65°C

Maximum ambient (Tma) for AXA02C18-L-HS, AXA05A36-L-HS, AXA02B36-L-HS, AXA02C36-L-HS:  
+64°C

Maximum ambient (Tma) for AXA05A18-L-HS, AXA05A18-L-HS, AXA01BB18-L-HS, AXA01CC18-L-  
HS, AXA02B36-L-HS, AXA01CC36-L-HS: +59°C

#### **APPLICABLE REQUIREMENTS**

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

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