Specifications (measured @ Ta= 25°C, nom. Vin, full load and after warm up unless otherwise specified)

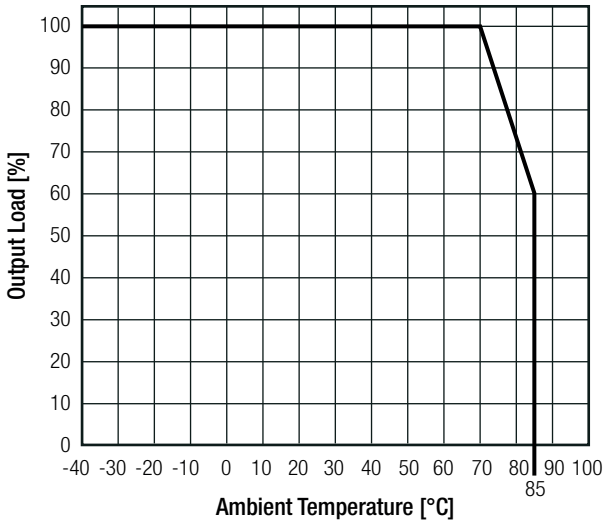
REGULATIONS		
Parameter	**Condition**	**Value**
Output Accuracy	100% load	±2.0% typ.
Line Regulation	low line to high line, full load	±0.5% typ.
Load Regulation	0% to 100% load	±1.0% typ.

PROTECTIONS			
Parameter	**Condition**		**Value**
Short Circuit Protection (SCP)	below 100mΩ		continuous, automatic recovery
Short Circuit Input Current	nom. Vin= 24VDC	<5Vout ≥5Vout	50mA typ. 75mA typ.

ENVIRONMENTAL			
Parameter	**Condition**		**Value**
Operating Temperature Range	without derating (see graph)		-40°C to +70°C
Maximum Case Temperature			+105°C
Temperature Coefficient			0.02%/°C typ.
Operating Altitude			5000m
Operating Humidity	non-condensing		95% RH max.
Pollution Degree			PD2
Vibration			10-55Hz, 2G, 30min along X, Y and Z axis
MTBF	according to MIL-HDBK-217F, G.B.	+25°C	6349 x 10^3 hours

Derating Graph

(@ Chamber and natural convection 0.1m/s)



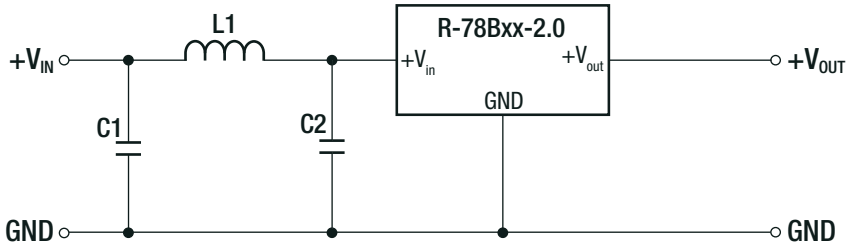
Specifications (measured @ Ta= 25°C, nom. Vin, full load and after warm up unless otherwise specified)

SAFETY AND CERTIFICATIONS

Certificate Type (Safety)	Report / File Number	Standard
Audio/video, information and communication technology equipment Safety requirements (CB Scheme)	L0339m38-B1-L	IEC62368-1: 2014, 2nd Edition EN62368-1: 2014
EAC	RU-AT.49.09571	TP TC 004/2011
RoHS2+		RoHS 2011/65/EU + AM2015/863

EMC Compliance	Condition	Standard / Criterion
Electromagnetic compatibility of multimedia equipment - Emission requirements	with external components (see filter suggestion below)	EN55032, Class A EN55032, Class B
Information technology equipment - Immunity characteristics - Limits and methods of measurement		EN55024:2010
Electromagnetic compatibility of multimedia equipment - Emission requirements		EN55032: 2013, Class B
ESD Electrostatic discharge immunity test	Air ±8kV; Contact ± 4kV	IEC61000-4-2, Criteria A
Radiated, radio-frequency, electromagnetic field immunity test	3 V/m	IEC61000-4-3, Criteria A
Fast Transient and Burst Immunity	±0.5kV	IEC61000-4-4, Criteria A
Surge Immunity	±0.5kV	IEC61000-4-5, Criteria A
Immunity to conducted disturbances, induced by radio-frequency fields	3V	IEC61000-4-6, Criteria A
Power Magnetic Field Immunity	50Hz/ 1A/m	IEC61000-4-8, Criteria A

EMC Filtering Suggestion according to EN55032



EN55022	C1	C2	L1
Class A	4.7µF 50V MLCC 1206	N/A	3.3µH Choke
Class B	10µF 50V MLCC 1210	4.7µF 50V MLCC 1206	10µH Choke

DIMENSION and PHYSICAL CHARACTERISTICS

Parameter	Type	Value
Material	case potting PCB	plastic, (UL94 V-0) silicone, (UL94 V-0) FR4, (UL94 V-0)
Dimension (LxWxH)		11.5 x 8.5 x 17.5mm
Weight		4.0g typ.

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