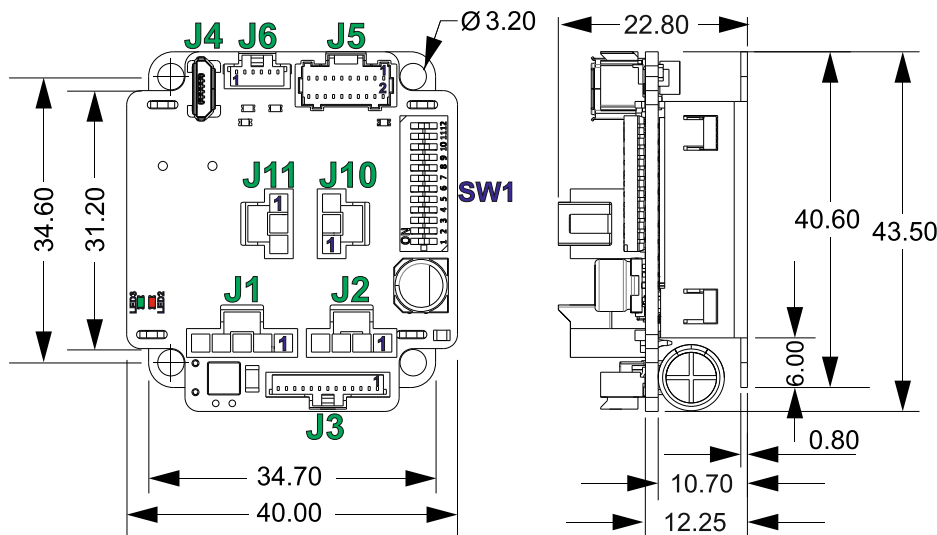




Micro 4804 CZ-CAN DATASHEET P/N: P020.802.E202



All dimensions are in mm. Drawing not to scale.

Motor – sensor configurations					
Sensor \ Motor	PMSM	BLDC	DC BRUSH	STEP (2-ph)	STEP (3-ph)
Incr. Encoder	Y		Y	Y	
Incr. Encoder + Dig. Hall	Y	Y			
Linear Halls	Y				
Digital Hall control only	Y				
BISS / SSI / EnDAT / TAMAGAWA / Nikon / Sanyo Denki / Panasonic	Y	Y	Y	Y	
Tacho			Y		
Open-loop (no sensor)				Y	Y

Mating Connectors					
Producer	Part No.	Connector	Description		
Molex	1053071205	J1	1x5 Nano-Fit, 2.50mm Pitch Nano-Fit Wire-to-Board Housing, 5 circuits		
Molex	1053071203	J10, J11	1x3 Nano-Fit, 2.50mm Pitch Nano-Fit Wire-to-Board Housing, 3 circuits		
Molex	1053071204	J2	1x4 Nano-Fit, 2.50mm Pitch Nano-Fit Wire-to-Board Housing, 4 circuits		
Molex	5013301300	J3	1x13 Pico-Clasp, 1.00mm Pitch Pico-Clasp Wire-to-Board Housing, 13 Circuits		
Molex	5011892010	J5	2x10 Pico-Clasp, 1.00mm Pitch Pico-Clasp Wire-to-Board Housing, 20 Circuits		
Molex	5013300600	J6	1x6 Pico-Clasp, 1.00mm Pitch Pico-Clasp Wire-to-Board Housing, 6 Circuits		
Tensility International Corp	1002333	J4	USB cable, Cable USB A Male - Micro B Male, 1m, shielded, black, 9.6mm plastic width		
Molex	0797582140	J1, J2, J10, J11	Pre-Crimped wires for Nano-Fit	Cable Assembly, Nano-Fit Crimp Terminal Socket to Nano-Fit Crimp Terminal Socket, 300mm	
Molex	0797581019	J3, J5, J6	Pre-Crimped wires for Pico-Clasp	Cable Assembly, Pico-Clasp Crimp Terminal Socket to Pico-Clasp Crimp Terminal Socket, 300mm	
Molex	1053001400	J1, J2, J10, J11	Pins for Nano-Fit	Nano-Fit Crimp Terminal, Female, 0.76µm Gold (Au) Plating, Lubricated, 24-26 AWG	
Molex	5011937000	J3, J5, J6	Pins for Pico-Clasp	1.00mm Pitch, Pico-Clasp Female Crimp Terminal, Gold Plating 0.10µm, 28-32 AWG, Reel	
Molex	638276000	J1, J2, J10, J11	Crimp tool Nano Fit	Crimp Tool, Ratchet, Molex Nano-Fit 105300 Series 26-24AWG Socket Contacts, 207129 Series	
Molex	638191500	J3, J5, J6	Crimp tool Pico-Clasp	Crimp Tool, Ratchet, Molex Pico-Clasp 501193 & 501334 Series 32-28AWG Contacts	

Features

- Motion controller and drive in a single compact unit based on MotionChip™ technology
- Universal solution for control of rotary and linear brushless, brushed and 2 or 3-phase step motors
- Advanced motion control features, including CSP, CSV, CST, PVT, S-curve, electronic gearing, camming, and more.
- Motor supply: 48V nominal
 - Motor output current:
 - Nominal: 5.7A_{RMS} / 8A amplitude for PMSM motors
 - 7A for DC / BLDC / Step motors
 - Peak: 11.3A_{RMS} / 16A amplitude
- Logic supply: 24V nominal, 48V max
- Feedback#1 and Feedback#2 can be:
 - 1 x Hall sensor interface (digital or linear)
 - Feedback#1 and Feedback#2 can be:
 - Incremental encoder A / B (index Z only for Feedback #1): differential or single-ended;
 - Absolute encoder: differential or single-ended. Supported protocols: SSI, BiSS, EnDAT, Tamagawa, Panasonic, Nikon, Sanyo Denki.
- 1 x analogue input, 12-bit, software selectable: 0-5V or ±10V; Reference, Feedback or General purpose
- 3 x digital inputs: 2 for limit switches + one Enable, NPN, pull-up on-board to +5V. Pull to GND to activate.
- 3 x configurable I/Os, each software selectable as:
 - Digital input, NPN, with pull-up on-board to +5V. Pull to GND to activate;
 - Digital output, NPN (open-collector), with pull-up on-board to +5V. Sink current: 1 x 1.5A to drive inductive loads (such as mechanical brake), 2 x 0.1A.
- Communication interfaces: RS232; USB; TMLCAN and CANopen (CiA 301 v4.2, CiA 305 v2.2.13 and CiA 402 v3.0) protocols
- 24Kwords E²ROM to store setup data, TML motion programs, cam tables and other user data
- 16Kwords SRAM memory for data acquisition
- Operating ambient temperature: 0-40°C (over 40°C with de-rating)
- Programmable protections: any short-circuit between motor phases, GND and/or supply, over/under-voltage, over-current, I²t drive & motor, control error
- >98% voltage efficiency, >98% power efficiency

Name ALN	First edition July 15, 2024	Document template: P099.TQT.564.0001	Last edition May 1, 2025	Visa: AS
		Title of document Micro 4804 CZ-CAN PRODUCT DATA SHEET	N° document P020.802.E202.DSH.10F	
				Page: 1 of 5



Micro 4804 CZ-CAN

DATASHEET

P/N: P020.802.E202

Pin	Name	Type	Description
1	A/A+	O	Phase A for 3-ph motors, A+ for 2-ph steppers, Motor+ for DC brush motors
2	B/A-	O	Phase B for 3-ph motors, A- for 2-ph steppers, Motor- for DC brush motors
3	C/B+	O	Phase C for 3-ph motors, B+ for 2-ph steppers
4	Cr/B-	O	Chopping resistor / Phase B- for 2-ph steppers
5	PE	-	Earth connection

Pin	Name	Type	Description
1	+Vm _{ot}	I	Positive terminal of the motor supply: 7 to 48 V _{DC} .
2	GND	-	Ground return.
3	+V _{log}	I	Positive terminal of the logic supply input: 6 to 48 V _{DC} .
4	PE	-	Earth connection

Pin	Name	Type	Description
1	232TX	O	RS-232 Data Transmission.
2	232RX	I	RS-232 Data Reception.
3	GND	-	Ground return.
4	+V _{log}	I	Positive terminal of the logic supply input: 6 to 48 V _{DC} .
5	IN2/LSP	I	5-48V digital NPN input. Positive limit switch input.
6	IN3/LSN	I	5-48V digital NPN input. Negative limit switch input.
7	I/O0	I/O	5-48V 1.5A NPN (sink) general-purpose digital programmable input IN0 or output OUT0
8	I/O1	I/O	5-48V 0.1A NPN (sink) general-purpose digital programmable input IN1 or output OUT1
9	I/O4	I/O	5-48V 0.1A NPN (sink) general-purpose digital programmable input IN4 or output OUT4
10	IN5/Enable	I	5-48V digital NPN input. Drive Enable input.
11	GND	-	Ground return.
12	AnalogIn	I	Analog input (range software selectable 0-5V or ±10V)
13	+5V	O	Supply for all feedback sensors.

Pin	Name	Type	Description
1	GND	-	Ground return.
2	Hall1 / LH1	I	Digital Hall, or Linear Hall sensor 1.
3	+5V	O	5V supply for all feedback sensors.
4	Hall2 / LH2	I	Digital Hall, or Linear Hall sensor 2.
5	+5V	O	5V supply for all feedback sensors.
6	Hall3 / LH3	I	Digital Hall, or Linear Hall sensor 3.
7	EncA1+/EncA1 Dt1+/Dt1	I	Encoder 1 A+ / Data+ diff. input or single-ended input; set SW1 position 7 for differential.
8	GND	-	Ground return.
9	EncA1-/Dt1-	I	Encoder 1 A-/Data- diff. input.; set SW1 position 7 for differential.
10	+5V	O	5V supply for all feedback sensors.
11	EncB1+/EncB1 Clk1+/Clk1	I	Encoder 1 B+ / Clock+ diff. input or single-ended input; set SW1 position 8 for differential.
12	EncA2+/EncA2 Dt2+/Dt2	I	Incr. encoder 2 A+ / Data+ diff. input or single-ended input; set SW1 position 9 for differential.
13	EncB1-/Clk1-	I	Encoder 1 B- / Clock- diff. input.; set SW1 position 8 for differential.
14	EncA2-/Dt2-	I	Incr. encoder 2 A- / Data- diff. input; set SW1 position 9 for differential.
15	Z1+	I	Incr. encoder 1 Z / Z+ diff. input or single-ended input; set SW1 position 11 for differential.
16	EncB2+/EncB2 Clk2+/Clk2	I/O	Incr. encoder 2 B+ / Clock+ diff. input or single-ended input; set SW1 position 10 for differential.
17	Z1-	I	Incr. encoder 1 Z- diff. input; set SW1 position 11 for differential.
18	EncB2-/Clk2-	I	Encoder 2 B- / Clock- diff. input; set SW1 position 10 for differential.
19	GND	-	Ground return.
20	+V _{log}	I	Positive terminal of the logic supply: 6 to 48 V _{DC} .

Pin	Name	Type	Description
1	+V USB	I	USB supply.
2	USB DM	I/O	USB data-.
3	USB DP	I/O	USB data+.
4	Rsvd	-	Reserved. Do not connect.
5	GND	-	Ground return.

Pin	Name	Type	Description
Reserved.	Do not connect.		

Pin	Name	Type	Description
1	GND	-	Ground return.
2	CAN Lo	-	CAN-Bus negative line (dominant low)
3	CAN Hi	-	CAN-Bus positive line (dominant high)

SW1



Position	Description
1	AxisID register Bit 0. ON: Bit x = 1. OFF: Bit x = 0.
2	AxisID register Bit 1. <i>The maximum AxisID value is 31.</i>
3	AxisID register Bit 2. <i>When all Bits are set to 0, AxisID value is 255.</i>
4	AxisID register Bit 3. <i>In CANOpen mode, if the AxisID is set to 255, the drive enters the "LSS inactive" state. In this state, the Green LED will flash at 1-second intervals.</i>
5	AxisID register Bit 4.
6	ON = TMLCAN mode is selected OFF = CANOpen mode is selected
7	ON = Connect an 120Ω resistor between EncA1-/Dt1- and EncA1+/EncA1/Dt1+/Dt1 feedback pins.
8	ON = Connect an 120Ω resistor between EncB1/Clk1- and EncB1+/EncB1/Clk1+/Clk1 feedback pins.
9	ON = Connect an 120Ω resistor between EncA2-/Dt2- and EncA2+/EncA2/Dt2+/Dt2 feedback pins.
10	ON = Connect an 120Ω resistor between EncB2/Clk2- and EncB2+/EncB2/Clk2+/Clk2 feedback pins.
11	ON = Connect an 120Ω resistor between Z1- and Z1+ feedback pins.
12	ON = Connect an 120Ω resistor between CAN Hi and CAN Lo signals.

No.	Name	Color	Description
LED2	TML ERR	RED	Turned on when the drive detects an error condition.
LED3	TML RDY	GREEN	Lit after power-on when the drive initialization ends. Turned off when an error occurs.

Electrical characteristics

All parameters measured under the following conditions (unless otherwise specified):

- V_{LOG} = 24 VDC; V_{MOT} = 48 VDC; F_{PWM} = 20 kHz
- Ambient temperature = 25°C (typical values) / 0°C...40°C (min/max values)
- Supplies start-up / shutdown sequence: -any-
- Load current = nominal

Operating Conditions	Min.	Typ.	Max.	Units
Ambient temperature	0		40 ¹	°C
Ambient humidity	0		90	%Rh
Altitude / pressure ²	-0.1	0 ± 2.5	2	Km
Ambient Pressure	0	0.75 ± 1	10.0	atm
Storage Conditions	Min	Typ	Max	Units
Ambient temperature	-40		100	°C
Ambient humidity	0		100	%Rh
Ambient Pressure	0		10.0	atm
ESD capability (Human body model)	Not powered; applies to any accessible part		±5	kV
	Original packaging		±15	kV
Mechanical Mounting	Min	Typ	Max	Units
Airflow	natural convection, closed box			
Spacing required between adjacent drives	10			mm
Spacing required above drive	30	80		
	For counter-connectors & cable bending			

¹ Operating temperature at higher temperatures is possible with reduced current and power ratings

² Micro 4804 can be operated in vacuum (no altitude restriction), but at altitudes over 2,500m, current and power rating are reduced due to thermal dissipation efficiency.

current and power rating are reduced due to thermal dissipation efficiency:

Name ALN	First edition July 15, 2024	Document template: P099.TQT.564.0001	Last edition May 1, 2025	Visa: AS
 TECHNOSOFT		Title of document Micro 4804 CZ-CAN PRODUCT DATA SHEET	N° document P020.802.E202.DSH.10F	
		Page: 2 of 5		



Micro 4804 CZ-CAN

DATASHEET

P/N: P020.802.E202

Environmental Characteristics		Min.	Typ.	Max.	Units
Size (Length x Width x Height)	Global size	43.5 x 40 x 22.8			mm
		~ 1.7 x 1.6 x 0.9			inch
Weight		30.3			g
Cleaning agents	Dry cleaning is recommended	Only Water- or Alcohol- based			
Protection degree	According to IEC60529	IP20			-
Power dissipation	Idle (I _{MOT} = 0A)		1	1.2	W
	Full power (I _{MOT} = nominal)		2.0	2.4	
Power efficiency	Full power (I _{MOT} = nominal)		98.7		%
Voltage efficiency	f _{PWM} = 20KHz		98.3		
	f _{PWM} = 100KHz		91.4		
Surface temperature of metallic baseplate			40		°C
Logic Supply Input (+V _{LOG})		Min	Typ.	Max.	Units
Supply voltage	Nominal values	6	24	48	V _{DC}
	Absolute maximum values, drive operating but outside guaranteed parameters	4.9		50	V _{DC}
	Absolute maximum values, continuous	-0.5		53	V _{DC}
Supply current	+V _{LOG} = 12V		90	150	mA
	+V _{LOG} = 24V		60	90	
	+V _{LOG} = 48V		45	60	
Utilization category Acc. to 60947-4-1 (I _{PEAK} ≤1.05*I _{NOM})		DC-1			
Motor Supply Input (+V _{MOT})		Min	Typ.	Max.	Units
Supply voltage	Nominal values	7		48	V _{DC}
	Absolute maximum values, drive operating but outside guaranteed parameters	6		50	V _{DC}
	Absolute maximum values, continuous	-0.5		53	V _{DC}
Supply current	Idle		0.3		mA
	Operating	-16	±7	+16	A
Voltage measurement error			±0.15	±0.25	V
Utilization category Acc. to 60947-4-1 (I _{PEAK} ≤4.0*I _{NOM})		DC-3			
Supply Output (+5V)		Min.	Typ.	Max.	Units
Output voltage	Current sourced = 400mA	5.05	5.2	5.25	V
Output current	Output voltage ≥ 4.85V			1,200	mA
Short-circuit to GND protection		Yes / Drive resets at event			
Over-voltage protection		NOT protected			
ESD protection	Human body model	±1			KV
Motor Outputs (A/A+, B/A-, C/B+, CR/B-)		Min.	Typ.	Max.	Units
Nominal current	PMSM motors sinusoidal amplitude			±8	A
	PMSM motors sinusoidal RMS			5.7	A _{RMS}
	DC/BLDC/STEP motors continuous			7	A
Peak current	maximum 4 seconds	-16		+16	A
Short-circuit protection threshold			±25	±28	A
Short-circuit protection delay		2.6		3.5	µs
On-state voltage drop	Nominal output current; including typical mating connector contact resistance		50	70	mV
Off-state leakage current			0.3	1	mA
Current measurement	Accuracy (FS = Full Scale)		±1	±1.5	%FS
	Noise (current ≤ 2A)		±4	±6	mA
	Noise (current ≥ 2A)		±30	±50	
		Offset drift (compensated @ AxisOn)			±0.16
Motor inductance (phase-to-phase)	Recommended value to avoid spurious short-circuit protection, triggered by ripple	Fast loop ¹ V _{MOT}			µH
		50µs 48V		133	
		100µs 48V		266	
		50µs 24V		66	
		100µs 24V		133	
Motor electrical time-constant (L/R)	Recommended value for ±5% current measurement error	F _{PWM} = 20 kHz		330	µs
		F _{PWM} = 40 kHz		170	
		F _{PWM} = 60 kHz		140	
		F _{PWM} = 80 kHz		80	
		F _{PWM} = 100 kHz		66	
Hall Inputs (Hall1, Hall2, Hall3)		Min.	Typ.	Max.	Units
Mode compliance TTL / CMOS / Open-collector (NPN sink), or analog (linear) 0...5V					
Default state	Input floating (Wiring disconnected)	4.5	4.8	5.2	V
Input voltage	Digital		1.5	1.7	
		3	2.5		
			0.5		
	Analog	0	0.5...4.5	4.95	
Input current	Logic "LOW"; Pull to GND		2.4		mA
	Logic "HIGH"; Internal 2.2KΩ pull-up to +5		0		
Minimum pulse width			66		µs
ESD protection - Human body model			±15		kV

Digital Inputs (IN0, IN1, IN2/LSP, IN3/LSN, IN4, IN5/ENA)		Min.	Typ.	Max.	Units
Mode compliance		NPN (sink)			
Default state Input floating (wiring disconnected)		Logic HIGH			
Input voltage	Logic "LOW"	IN0, IN1, IN4, IN5/ENA	1.4	1.8	V
	Logic "HIGH"		3.1	2.5	
	Hysteresis		0.9	1.1	
	Logic "LOW"	IN2/LSP, IN3/LSN	1.4	1.6	
	Logic "HIGH"		4	3.5	
	Hysteresis		0.6		
	Floating voltage (not connected)		4.7		
Input current	Absolute maximum, continuous	IN2/LSP, IN3/LSN, IN5/ENA	-2		mA
		IN0, IN1, IN4	-0.5	V _{LOG} +0.5	
Logic "LOW"; Pulled to GND			6.5	8	
Logic "HIGH"; Pulled to +24V			0.2	0.4	
Input frequency			0	500	kHz
Minimum pulse			1		µs
ESD protection - Human body model			±2		kV
Digital Outputs (OUT0, OUT1, OUT4)		Min.	Typ.	Max.	Units
Mode compliance		NPN (sink) 24V			
Load type		Resistive, Inductive			
Default state	Not supplied (+V _{LOG} floating)	High-Z (floating)			
	Immediately after power-up	Logic "HIGH"			
Output voltage	Logic "LOW"; output current = 1.5A for OUT0/ 0.05A for OUT1, OUT4			0.4	V
	Logic "HIGH"; output current = 0, no load	4	4.7	5.2	
	Logic "HIGH", external load to +V _{LOG}		V _{LOG}		
	Absolute maximum, continuous (free-wheeling diodes to +V _{LOG} to GND)	-0.5		V _{LOG} +0.5	
	Absolute maximum, surge (duration ≤ 1s) [†]	-1		V _{LOG} +1	
Output current	Logic "LOW", sink current, short duration, duty cycle ≤ 1%	5s max	OUT1, OUT4	0.1	A
		0.5s max	OUT0	2	
			OUT1, OUT4	0.15	
	Logic "LOW", sink current, continuous; V _{OUT} ≤ 0.4V		OUT0	2.5	mA
			OUT1, OUT4	0.05	
			OUT0	1.5	
	Logic "HIGH", source current; external load to GND; V _{OUT} ≥ 2.0V			5	
Logic "HIGH", leakage current; external load to +V _{LOG} ; V _{OUT} = V _{LOG} max = 40V		V _{LOG} =24V	0.18	0.2	mA
		V _{LOG} =48V	0.42	0.45	
Minimum pulse width		0.5			µs
ESD protection - Human body model		±25			kV
Encoder Inputs (A1+, A1-, B1+, B1-, Z1+, Z1-, A2+, A2-, B2+, B2-) ²		Min.	Typ.	Max.	Units
Single-ended mode compliance	Leave A1-, B1-, Z1-, A2-, B2- floating	TTL / CMOS / Open-collector (NPN sink)			
Single-ended threshold	A1+, B1+, Z1+, A2+, B2+	1.3	1.4	1.5	V
Single-ended input current	Input pulled to GND against on-board 2.2 KΩ pull-up to +5V		2.4	2.7	mA
Differential mode compliance	For full RS422 compliance, see ¹	TIA/EIA-422-A			
Input voltage	Hysteresis	±0.03	±0.05	±0.2	V
	Differential mode	-15		+15	
	Common-mode range (A+ to GND, etc.)	-7		+12	
Input impedance, differential	Common-mode (A1+ to GND, etc.)		2.2		kΩ
	Differential (A1+ to A1-, etc.)		4.4		
Input frequency	Differential mode	0		15	MHz
Minimum pulse width	Differential mode	33			ns
ESD protection		±30			kV
RS-232		Min.	Typ.	Max.	Units
Compliance		TIA/EIA-232-C			
Bit rate	Default		9600		Baud
	Software selectable	9600		115200	
Output voltage		±5	±5.7		V
Short-circuit	232TX to GND	Guaranteed			
Input voltage	Absolute maximum, continuous	-30		+30	V
ESD protection		±15			kV

¹ Fast loop period of 50µs is not possible with all feedback device types.

² To achieve full RS-422 compatibility and enhance noise rejection, it is necessary to connect an external 120Ω resistor across each signal pair (A1+/A1-, B1+/B1-, Z1+/Z1-, A2+/A2-, B2+/B2-). This can be done through SW1 positions 7 to 11.

Name ALN	First edition July 15, 2024	Document template: P099.TQT.564.0001	Last edition May 1, 2025	Visa: AS
 TECHNOSOFT		Title of document Micro 4804 CZ-CAN PRODUCT DATA SHEET	N° document P020.802.E202.DSH.10F	
		Page: 3 of 5		



Micro 4804 CZ-CAN

DATASHEET

P/N: P020.802.E202

Absolute encoder interface: SSI, BiSS-C, EnDAT, Tamagawa, Nikon, Sanyo Denki		Min	Typ.	Max	Units
Single-ended mode	Not recommended, reduced robustness & speed				
Differential mode compliance	For full RS422 compliance, see ¹	TIA/EIA-422-A			
Output voltage	Differential; 50Ω differential load	1.5	3.3		V
	Common-mode, referenced to GND	1	1.7	3	
CLOCK frequency	Nikon, Sanyo Denki	2.5, 4			MHz
	Panasonic, Tamagawa	2.5			
	All others	1, 2, 3, 4			
Output Short- circuit protection	Common-mode voltage ±15V	Yes, protected			
DATA format	Software selectable	Binary / Gray			
		Single-turn / Multi-turn			
		Counting direction			
		CRC type			
DATA resolution	Including CRC, flags, ...			64	Bits
	If total resolution >31 bits, some bits must be ignored by software setting to achieve a max. 31 bits resolution				
Analog Input (REF/ FDBK)		Min	Typ.	Max	Units
Input voltage	Operational range	0...5, -10...+10			V
	Absolute maximum values, continuous	-22		+26	
	Absolute maximum, surge (duration ≤ 1s)			±38	
Input impedance	To 1.44V		20		kΩ
Bandwidth (-3dB)	Software selectable	0		5.3	kHz
Resolution		12			bits
Integral linearity				±1	bits
Offset error	Range -10V ... +10V		±10	±30	mV
	Range 0 ...+5V		±15	±40	
Gain error	Range -10V ... +10V		±30	±50	
	Range 0 ...+5V		±25	±40	
ESD protection	Human body model	±1.5			kV

CAN-Bus		Min.	Typ.	Max.	Units
Compliance		CAN 2.0B, ISO 11898-2			
Software protocols compatibility		CiA301, CiA305, CiA402, TechnoCAN, TMLcan			
Bit rate	Software selectable	125, 250, 500, 1000			KBaud
Node addressing	TMLcan	1 ÷ 255			-
	CANopen	not configured, 1 ÷ 127			-
Voltage	Common-mode, operating	-12		+12	V
	Common-mode, max. continuous	-58		+58	V
	Differential, max. continuous	-45		+45	V
Input impedance	Differential	40		90	KΩ
	Common-mode	20		45	KΩ
Termination resistor (120Ω)		Included – SW1 Position 12			
ESD protection	Human body model	±10			kV

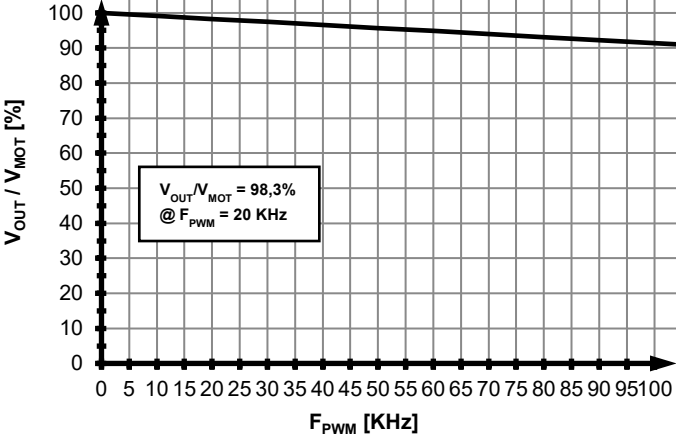
† Stresses beyond values listed under "absolute maximum ratings" may cause permanent damage to the device. Exposure to absolute-maximum-rated conditions for extended periods may affect device reliability.

¹ To achieve full RS-422 compatibility and enhance noise rejection, it is necessary to connect an external 120Ω resistor across each signal pair (A1+/A1-, B1+/B1-, Z1+/Z1-, A2+/A2-, B2+/B2-). This can be done through SW1 positions 7 to 11.

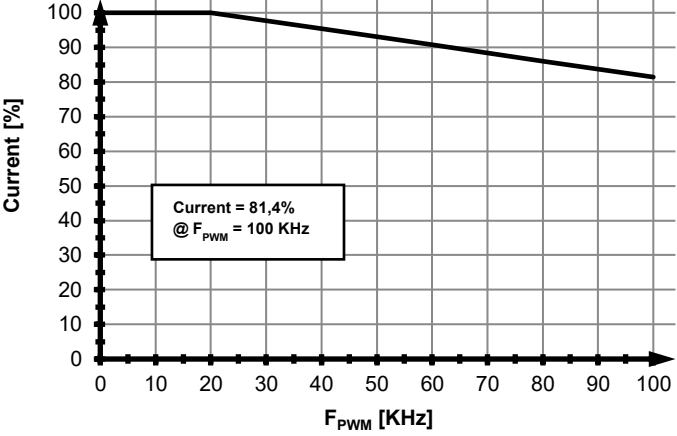
Name ALN	First edition July 15, 2024	Document template: P099.TQT.564.0001	Last edition May 1, 2025	Visa: AS
 TECHNOSOFT		Title of document Micro 4804 CZ-CAN PRODUCT DATA SHEET	N° document P020.802.E202.DSH.10F Page: 4 of 5	



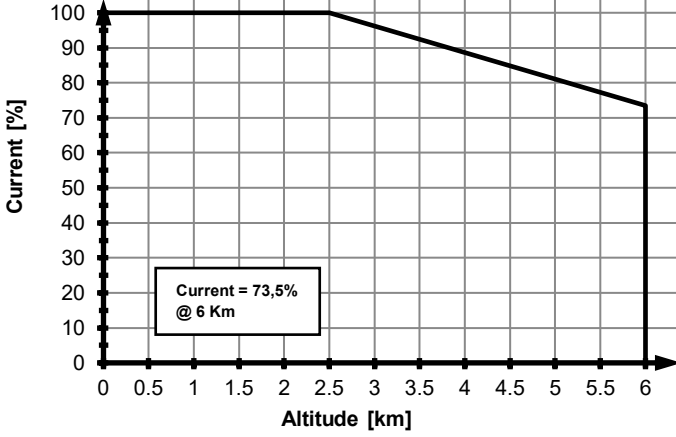
Micro 4804 CZ



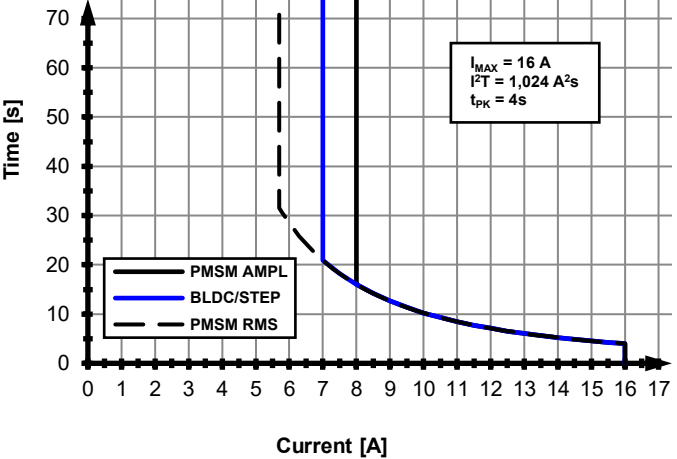
Micro 4804 CZ



Micro 4804 CZ



Micro 4804 CZ



Micro 4804 CZ

