



INDUSTRIAL & AUTOMOTIVE
DC/DC Converters

3 Watt

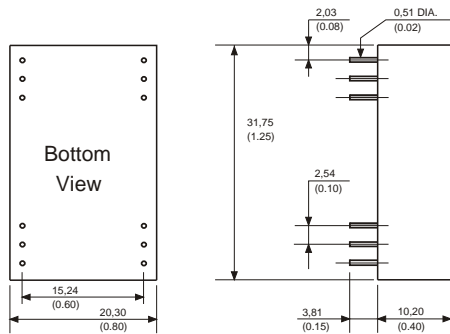
Regulated

Case style: DIP24; triple output / drei Ausgänge

Application: A/D conversion

Zielrichtung: A/D Wandlerkarten

Series: CSK/CMK/CMKA



ALL DIMENSIONS IN MM (INCHES)
 TOLERANCE: MILLIMETERS +/- 0,25mm
 (INCHES +/- 0,01")

Allg. Spezifikation / Electrical specifications:

Eingangsspannungstoleranz //	-5%/+10% U _{in} = 5V
Input voltage accuracy	+/- 10% U _{in} = 12V, 15V u. 24V
Ausgangsspannungstoleranz //	+/- 3 @ U _{out} 1&2%
Output voltage accuracy:	
Versorgungsnachregelung / Line regulation:	+/- 0,3%
Lastnachregelung / Load regulation:	+/- 0,5%
Rauschen & Restwelligkeit / Ripple & Noise:	typ. 50mV
Kurzschlußabschaltung / Short circuit switch-off	
Überlastabschaltung / Over load protection	
Thermische Abschaltung / Thermal shut down	
Wirkungsgrad / Efficiency:	min. 68%
Überlast / Kurzschlußabschaltung //	120%
Over current / Short circuit cut off:	
Rel. Feuchte / rel. humidity:	93% / 40°C
Schockfest / Shock proof acc. IEC 68-2-34	
Feuerfestigkeit / Flameability UL - 94V-0	
Isolationsfestigkeit / Isolation voltage:	min. 1000V DC
Operating temperature max. 105°C @ Ta = 71°C	
118°C @ Ta = 85°C	
Part-Nr. /5 External -IN & -OUT/COM connection allowed	

Umgebungstemperaturen ohne Leistungsminderung / ambient temperature without DERATING

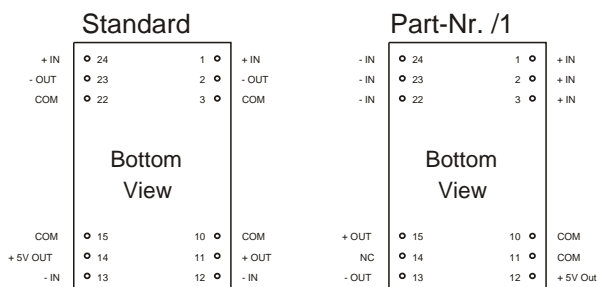
CSK / CMK	-25°C to +71°C
CMKA	-55°C to +85°C & up to 100°C Ta

Special request: 1CSK/ 1CMK/ 1CMKA Short circuit proof & autorestart available.

Part - No. Triple	Input Voltage	Output Voltage 1&2	max. Output Current 1&2	Output Voltage 3	max. Output Current 3
CSK/CMK/CMKA05-3-0512D05 CSK/CMK/CMKA05-3-0515D05	5V	+/-12V +/-15V	+/-125mA +/-100mA	5V 5V	100mA 100mA
CSK/CMK/CMKA10-3-1212D05 CSK/CMK/CMKA10-3-1215D05	12V	+/-12V +/-15V	+/-125mA +/-100mA	5V 5V	100mA 100mA
CSK/CMK/CMKA10-3-1512D05 CSK/CMK/CMKA10-3-1515D05	15V	+/-12V +/-15V	+/-125mA +/-100mA	5V 5V	100mA 100mA
CSK/CMK/CMKA10-3-2412D05 CSK/CMK/CMKA10-3-2415D05	24V	+/-12V +/-15V	+/-125mA +/-100mA	5V 5V	100mA 100mA

Achtung: kein Eingangsverpolschutz / Attention: don't change input polarity

NOTE: Output voltage 3 is unregulated, without load U max. = 6,5V_{out3}



Output 1 = P1 0 - 3W
 Output 2 = P2 0 - 3W
 Output 3 = P3 0W

Output 1 = P1 0 - 2,5W
 Output 2 = P2 0 - 2,5W
 Output 3 = P3 0,5W

