MTCON NECTIVITY

POWER SOCKET M6

INTERNAL THREAD ,
SMD SOLDERING TECHNOLOGY,
THROUGH HOLE

COMMERCIAL DATA

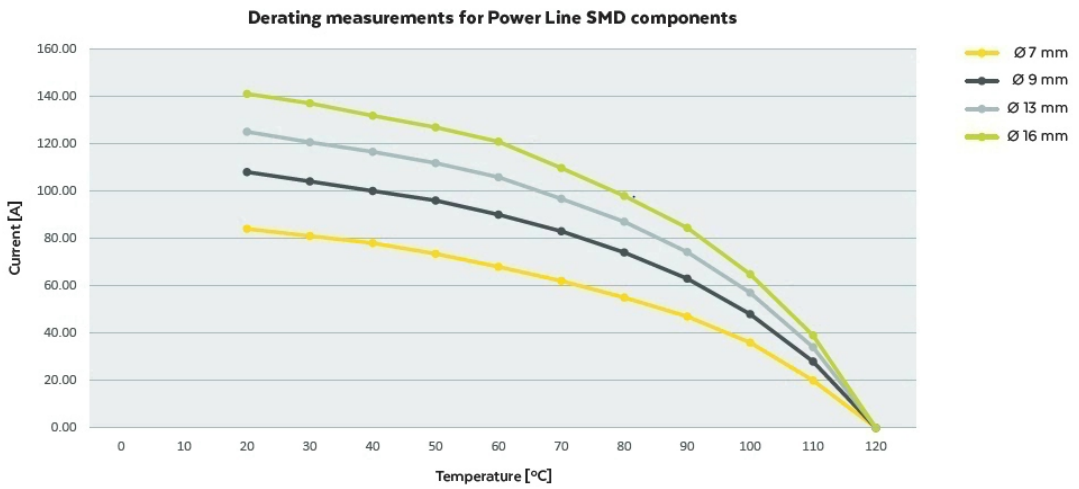
Part number	**02.6.0069**

Packing unit tape and reel - 2.6.0069.GU14	**200 pieces**
Customs tariff number	**85369010**
Mass	**11,06 g**
Country of origin	**DE (Germany)**

TECHNICAL DATA

Current carrying capacity	**ca. 180 A at 20°C / ca. 100 A at 85° C**
Material	**CuZn39Pb3**
Surface	**matt tinned**

Derating curves are snapshots under test conditions!
Testing was undertaken using two-layer circuit with 70µm copper.



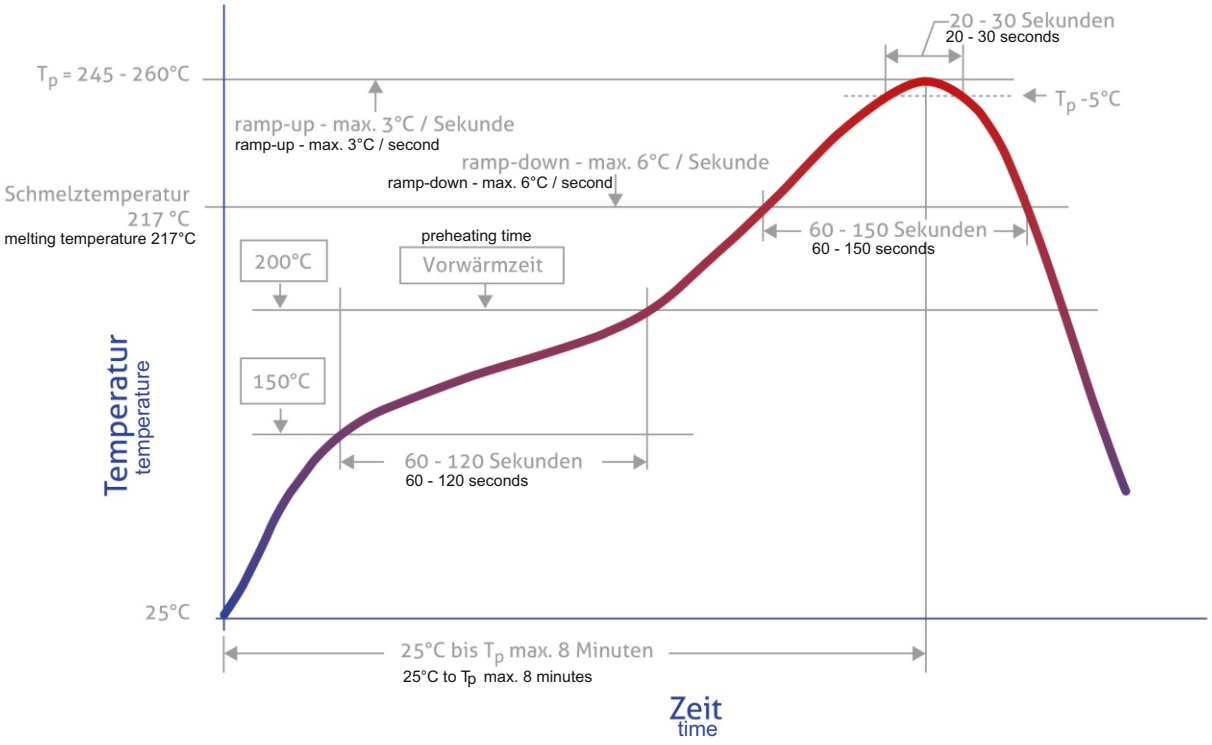
Rev. 201801

MTCON NECTIVITY

PROCESSING

Torque	**2,7 Nm**
Solder paste thickness	**150 µm**
Operating temperature	**-55°C to 150°C**

SOLDER PROFILE



Reflow Temperatur in Abhängigkeit der Leiterplattendicke:

Reflow temperature depanding on the thickness of the printed circuit board:

Eigenschaften properties	Volumen mm³ <350 volume mm³ < 350	Volumen mm³ 350-2000 volume mm³ 350-2000	Volumen mm³ >2000 volume mm³ > 2000
Leiterplattendicke (Bleifrei) < 1.6 mm PCB thickness (lead free) < 1.6 mm	260 °C	260 °C	260 °C
Leiterplattendicke (Bleifrei) 1.6 mm - 2.5 mm PCB thickness (lead free) 1.6 mm - 2.5 mm	260 °C	250 °C	245 °C
Leiterplattendicke (Bleifrei) ≥ 2.5 mm PCB thickness (lead free) ≥ 2.5 mm	250 °C	245 °C	245 °C

mit Bezug auf IPC/JEDEC J-STD-020D
regarding IPC/JEDEC J-STD-020D

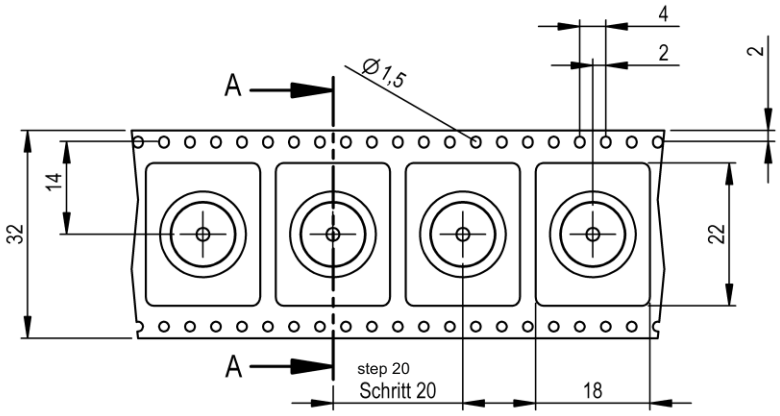
CONFORMITY

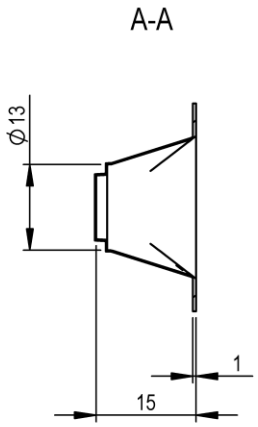
- RoHS compliant

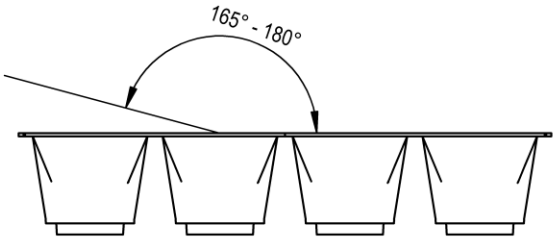
RoHS COMPLIANT

Rev. 201801

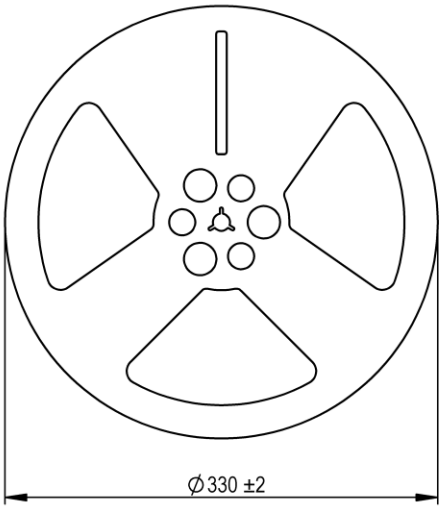
TAPE AND REEL

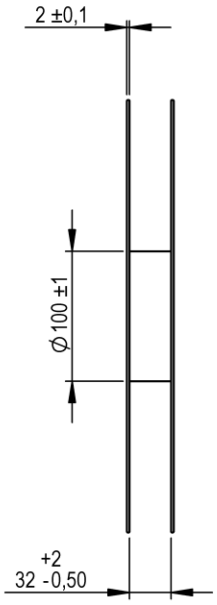




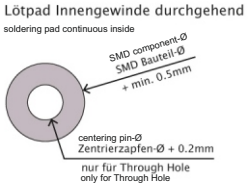


Packaging according IEC 60286-3:2007
Tape-Breite / tape width: 32 mm
pull-out-force: 0,1 N - 1,3 N
no components in the first min. 100mm
no components in the last min. 160mm





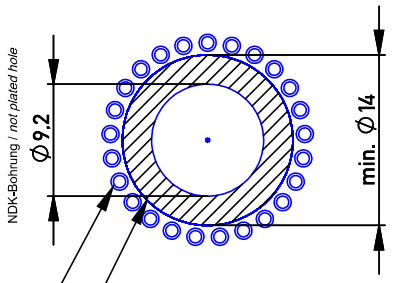
LAYOUT



MTCONNECTIVITY

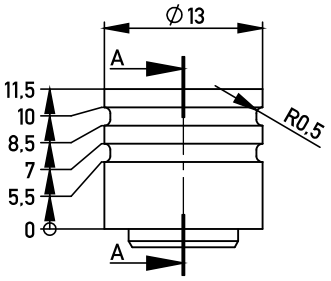
LAYOUT

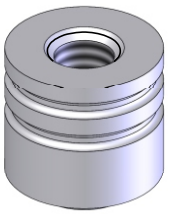
Verpackung / *packaging*	Artikelnummer / *part number*
lose / *bulk*	02.6.0069
tape and reel	02.6.0069.GU14

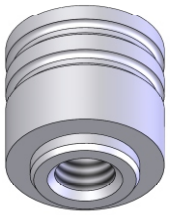


Empfehlung Lötpad / *recommendation solder pad*
vollflächiges Pad min. 0.5mm umlaufend größer als Element /
full-face pad all round min. 0.5mm bigger than the element

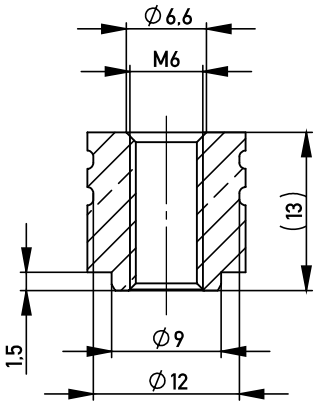
optionale DK-Bohrungen umlaufend um das Pad - für höhere Stromtragfähigkeit /
optional plated holes around the pad - for higher current ratings







cut A-A
SCHNITT A-A



RoHS COMPLIANT

Ausführung: SMD
Max. Drehmoment: 2,7 Nm
Gewicht: 11,06 g
Technische Änderungen vorbehalten

execution: SMD
max. torque: 2,7 Nm
weight: 11,06 g
technical subject to change

Werkstoff / *material*	CuZn39Pb3	Toleranz / *tolerance*	Maßstab / *scale* 2:1
Oberfläche / *surface plating*	matt verzinnt / *mat tin-plated*	DIN ISO 2768-mH	Zeichnungsnummer / *drawing number* 02.6.0069
Prozessbedingte Fehlstellen in Galvanik möglich! *imperfections during electro plating process possible!*		all dimensions in mm	Benennung / description: Power Socket M6, SMD, 13er rund, through hole / **SMD, thirteens round, through hole**

	Datum / *date*	Name / *name*
Bearb. / *drawer*	27.02.2017	
gepr. / *auth.*		
geän. / *mod.*		

Index	Änderung / *modification*	Datum / *date*	Name / *name*
	REACH entfernen	17.07.2018	
A	Neuerstellung	27.02.2017	

MTCONNECTIVITY
power2pcb GmbH
Hauptstraße 18
74676 Niedernhall
GERMANY

Vertraulich! Alle Rechte vorbehalten. Weitergabe oder Vervielfältigung ohne vorherige schriftliche Zustimmung verboten.
Confidential! All rights reserved. Forwarding or duplication without previous written permission prohibited.

K
A4

Rev. 201801