



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Surge protection device - CN-LAMBDA/4-0.47-BB - 2800021

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Attachment plug with Lambda/4 technology as surge protection for coaxial signal interfaces. Connection: N connectors socket-socket

Why buy this product

- Low protection level
- Maintenance-free surge protection with LAMBDA/4 technology
- High HF power in the kW range

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 367943
GTIN	4046356367943

Technical data

Dimensions

Height	32 mm
Width	32 mm
Depth	83 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 90 °C
Degree of protection	IP68

General

Housing material	Brass (CuZn)
Color	nickel
Mounting type	Connection-specific intermediate plugging
Type	Attachment plug
Number of positions	1

Surge protection device - CN-LAMBDA/4-0.47-BB - 2800021

Technical data

General

Direction of action	Line-Shield/Earth Ground
---------------------	--------------------------

Protective circuit

IEC test classification	C2
	C3
	D1
VDE requirement class	C2
	C3
	D1
Rated current	5 A (25 °C)
Nominal discharge current I_n (8/20) μ s (line-earth)	20 kA
Nominal discharge current I_n (8/20) μ s (line-shield)	20 kA
Pulse discharge current I_{imp} (10/350) μ s	≤ 15 kA
Total discharge current I_{total} (8/20) μ s	30 kA
Total discharge current I_{total} (10/350) μ s	15 kA
Max. discharge current I_{max} (8/20) μ s maximum (line-earth)	30 kA
Max. discharge current I_{max} (8/20) μ s maximum (line-shield)	30 kA
Output voltage limitation at 1 kV/ μ s (line-earth) spike	≤ 55 V (6 kV / 3 kA)
Output voltage limitation at 1 kV/ μ s (line-shield) spike	≤ 55 V (6 kV / 3 kA)
Output voltage limitation at 1 kV/ μ s (line-earth) static	≤ 55 V (6 kV / 3 kA)
Output voltage limitation at 1 kV/ μ s (line-shield) static	≤ 55 V (6 kV / 3 kA)
Voltage protection level U_p (line-earth)	≤ 95 V (C2 - 10 kV / 5 kA)
Voltage protection level U_p (line-shield)	≤ 95 V (C2 - 10 kV / 5 kA)
Input attenuation aE, asym.	typ. 0.05 dB (≤ 0.10 dB)
Frequency range	380 MHz ... 470 MHz
Standing wave ratio SWR in a 50 Ω system	typ. 1.05 ($\leq 1,15$)
Permissible HF power P_{max} at VSWR = xx (50 ohm system)	≤ 800 W
	≤ 4 kW (peak)
Surge protection fault message	none
Impulse durability (line-earth)	C2 - 10 kV/5 kA
	D1 - 2.5 kA
Impulse durability (line-shield)	C2 - 10 kV/5 kA
	D1 - 2.5 kA

Connection data

Connection method	N Connector
Connection method IN	N connector, female
Connection method OUT	N connector, female

Standards and Regulations

Standards/regulations	IEC 61643-21
Standards/specifications	IEC 61643-21 2005

Surge protection device - CN-LAMBDA/4-0.47-BB - 2800021

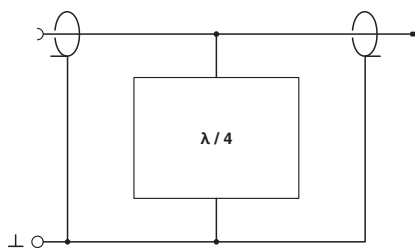
Technical data

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Circuit diagram



Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		RU C- DE.A*30.B01561
-----	--	-------------------------

Phoenix Contact 2018 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>