Specification for release

Customer :

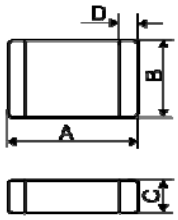
Ordercode: **8231614**

Description : **ESD Suppressor WE-VE femtoF**

compliant RoHS WÜRTH ELEKTRONIK

WÜRTH ELEKTRONIK

A Dimensions:



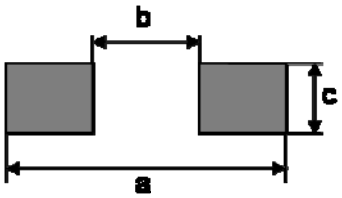
	Size 0603	
A	**1.6 ± 0.2**	mm
B	**0.8 ± 0.2**	mm
C	**0.9 max**	mm
D	**0.3 ± 0.2**	mm

B Electrical properties:

Properties	Test Conditions		Value	Unit	Tol.
DC operating voltage		V_{DC}	14	V	max
capacitance	1 MHz	C_{typ}	0.05	pF	typ
capacitance	1 MHz	C_{max}	0.15	pF	max
leakage current	12 VDC	$I_{L\ max}$	0.05	µA	max
trigger voltage	TLP measurement	v_{Tr}	275	V	typ
clamping voltage	8kV Contact, 30ns	v_{Cl}	45	V	typ
ESD withstand	8kV Contact		2000		min

C Soldering spec.:

2.2 - 2.6	a [mm]
0.7	b [mm]
0.7	c [mm]



D Test equipment:

Keithley 2410 for leakage Current

Agilent 4396B Analyzer for Capacitance

E Test conditions:

Humidity:	33%
Temperature:	+20°C

F Material & approvals:

Base material: Ceramic

G General specifications:

Storage temperature:	-20°C … +60°C
Max. operating temperature:	-40°C … +85°C

General Release:

Customer		
Date	Signature	
Würth Elektronik		
Checked	Approved	

Name	Modification	Date
SSt	Version 2	2010-06-25
JB	Version 1	2008-09-02

This electronic component has been designed and developed for usage in general electronic equipment. Before incorporating this component into any equipment where higher safety and reliability is especially required or if there is the possibility of direct damage or injury to human body, for example in the range of aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc, Würth Elektronik eiSos GmbH must be informed before the design-in stage. In addition, sufficient reliability evaluation checks for safety must be performed on every electronic component which is used in electrical circuits that require high safety and reliability functions or performance.

Würth Elektronik eiSos GmbH & Co. KG

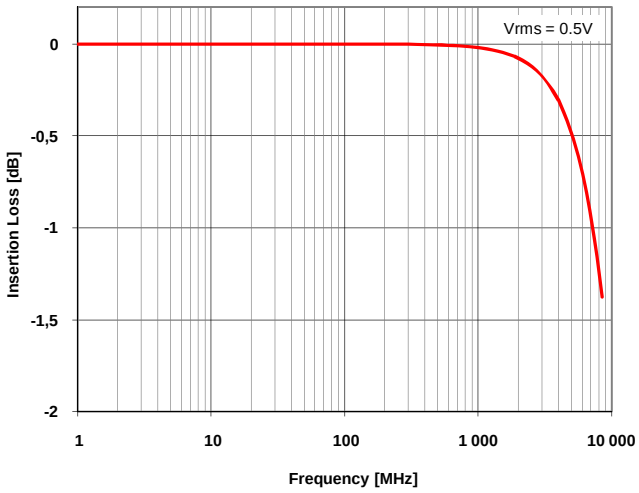
D-74638 Waldenburg · Max-Eyth-Strasse 1 · Germany · Phone (+49) (0) 7942 - 945 - 0 · Fax (+49) (0) 7942 - 945 - 400

http://www.we-online.com

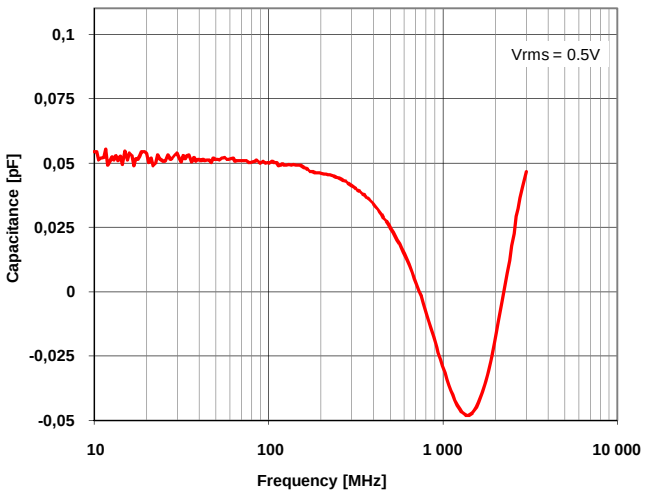
Specification for release

Customer :
Ordercode: **8231614**
Description : **ESD Suppressor WE-VE femtoF**

H Typical Characteristics:



Insertion Loss



Capacitance vs. Frequency

General Release:	Customer			
Date	Signature			
	Würth Elektronik			
		SSt	Version 2	2010-06-25
		JB	Version 1	2008-09-02
Checked	Approved	Name	**Modification**	Date

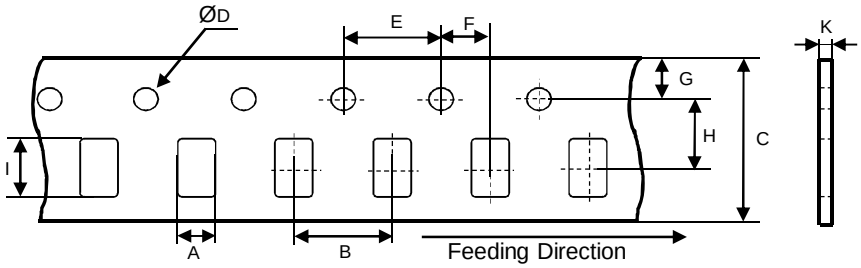
This electronic component has been designed and developed for usage in general electronic equipment. Before incorporating this component into any equipment where higher safety and reliability is especially required or if there is the possibility of direct damage or injury to human body, for example in the range of aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc, Würth Elektronik eiSos GmbH must be informed before the design-in stage. In addition, sufficient reliability evaluation checks for safety must be performed on every electronic component which is used in electrical circuits that require high safety and reliability functions or performance.

Würth Elektronik eiSos GmbH & Co. KG
D-74638 Waldenburg · Max-Eyth-Strasse 1 · Germany · Phone (+49) (0) 7942 - 945 - 0 · Fax (+49) (0) 7942 - 945 - 400
http://www.we-online.com

Specification for release

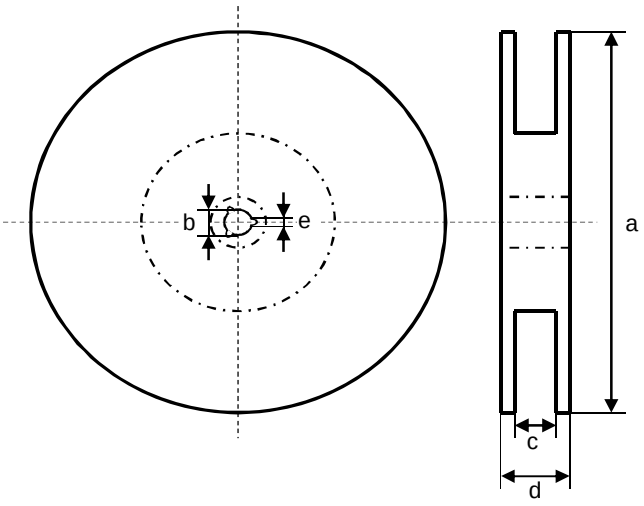
Customer :
Ordercode: **8231614**
Description : **ESD Suppressor WE-VE femtoF**

I Tape:

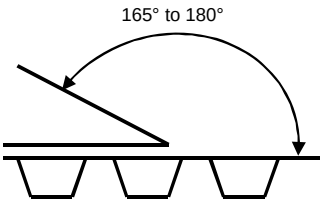


A	**1.10 typ**	mm
B	**4.00 ± 0.10**	mm
C	**8.0 +0.3/-0.1**	mm
D	**1.50 + 0.20**	mm
E	**4.00 ± 0.10**	mm
F	**2.00 ± 0.10**	mm
G	**1.75 ± 0.10**	mm
H	**3.50 ± 0.05**	mm
I	**1.88 typ**	mm
J	**1.10 max**	mm

J Reel:



a	**178.0 ± 2.0**	mm
b	**13.0 ± 0.8**	mm
c	**7.9 min**	mm
d	**14.4 max**	mm
e	**1.5 min**	mm



Quantity per Reel:	**4000 pcs**

General Release:

Customer		
Date	Signature	
Würth Elektronik		
Checked	Approved	

SSt	Version 2	2010-06-25
JB	Version 1	2008-09-02
Name	**Modification**	Date

This electronic component has been designed and developed for usage in general electronic equipment. Before incorporating this component into any equipment where higher safety and reliability is especially required or if there is the possibility of direct damage or injury to human body, for example in the range of aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc, Würth Elektronik eiSos GmbH must be informed before the design-in stage. In addition, sufficient reliability evaluation checks for safety must be performed on every electronic component which is used in electrical circuits that require high safety and reliability functions or performance.

Würth Elektronik eiSos GmbH & Co. KG
D-74638 Waldenburg · Max-Eyth-Strasse 1 · Germany · Phone (+49) (0) 7942 - 945 - 0 · Fax (+49) (0) 7942 - 945 - 400
http://www.we-online.com