

Excellent Integrated System Limited

Stocking Distributor

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[Wurth Electronics Inc](#)
[8231614](#)

For any questions, you can email us directly:

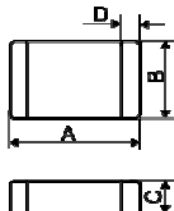
sales@integrated-circuit.com

Specification for release

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



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:

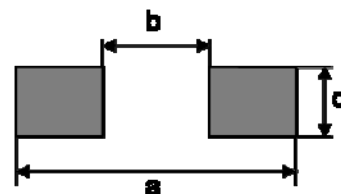
Properties	Test Conditions		Value	Unit	Tol.
DC operating voltage		V_{DC}	14	V	max
capacitance	1 MHz	C_{typ}	0.05	pF	typ
capacitance	1 MHz	C_{max}	0.15	pF	max
leakage current	12 VDC	$I_{L max}$	0.05	μA	max
trigger voltage	TLP measurement	V_{Tr}	275	V	typ
clamping voltage	8kV Contact, 30ns	V_{Cl}	45	V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

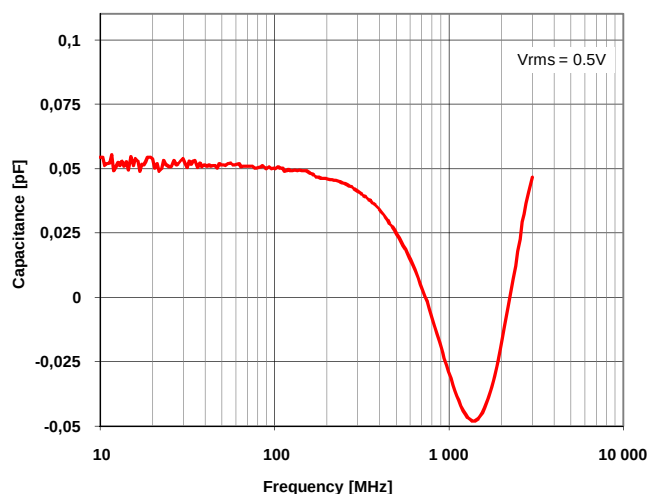
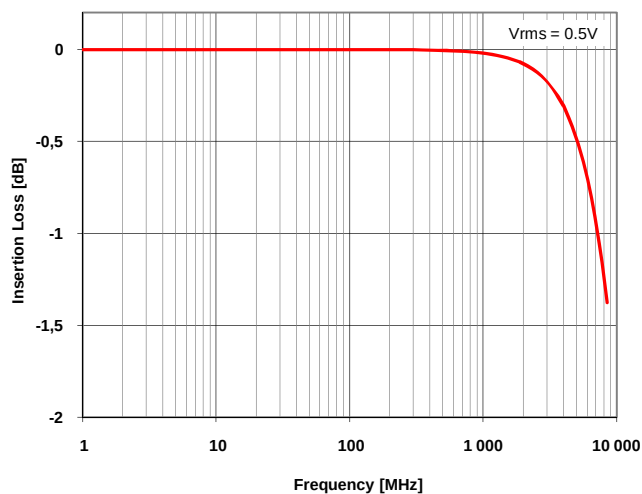
D-74638 Waldenburg · Max-Eyth-Strasse 1 · Germany · Phone (+49) (0) 7942 - 945 - 0 · Fax (+49) (0) 7942 - 945 - 400
<http://www.we-online.com>

Specification for release

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



H Typical Characteristics:



General Release:	Customer				
Date	Signature				
	Würth Elektronik				
			SSt	Version 2	2010-06-25
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Specification for release

Customer :

Ordercode:

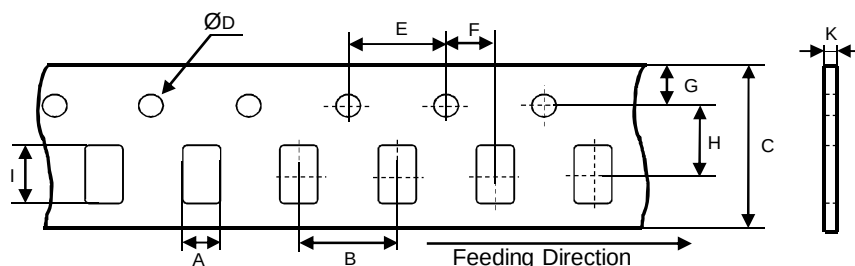
8231614

Description :

ESD Suppressor WE-VE femtoF

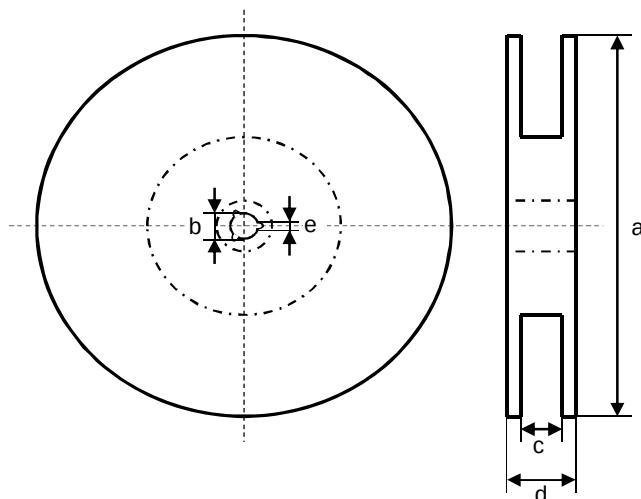


I Tape:

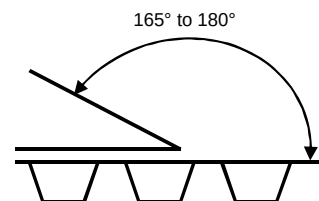


A	1.10 typ	mm
B	4.00 ± 0.10	mm
C	8.0 +0.3/-0.1	mm
D	1.50 ± 0.20	mm
E	4.00 ± 0.10	mm
F	2.00 ± 0.10	mm
G	1.75 ± 0.10	mm
H	3.50 ± 0.05	mm
I	1.88 typ	mm
J	1.10 max	mm

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

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