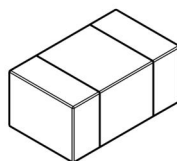
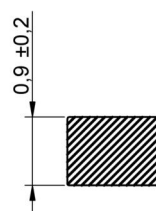
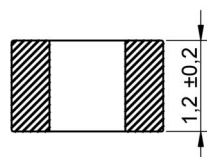
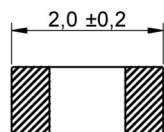
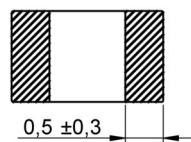
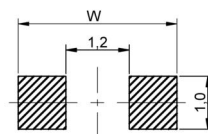


A Dimensions: [mm]

Scale - 10:1

B Recommended land pattern: [mm]

WIDE BAND / HIGH SPEED:
W = 3,0
HIGH CURRENT:
W = 4,0

Scale - 10:1

C Schematic:**D Electrical Properties:**

Properties	Test conditions		Value	Unit	Tol.
Impedance @ 100 MHz	100 MHz	Z	80	Ω	±25%
Maximum impedance	662 MHz	Z	120	Ω	typ.
Rated current	ΔT = 40K	I _R	4000	mA	max.
DC Resistance	@ 25°C	R _{DC}	13.0	mΩ	typ.
DC Resistance	@ 25°C	R _{DC}	18.0	mΩ	max.
Type of application			High Current		

E General information:

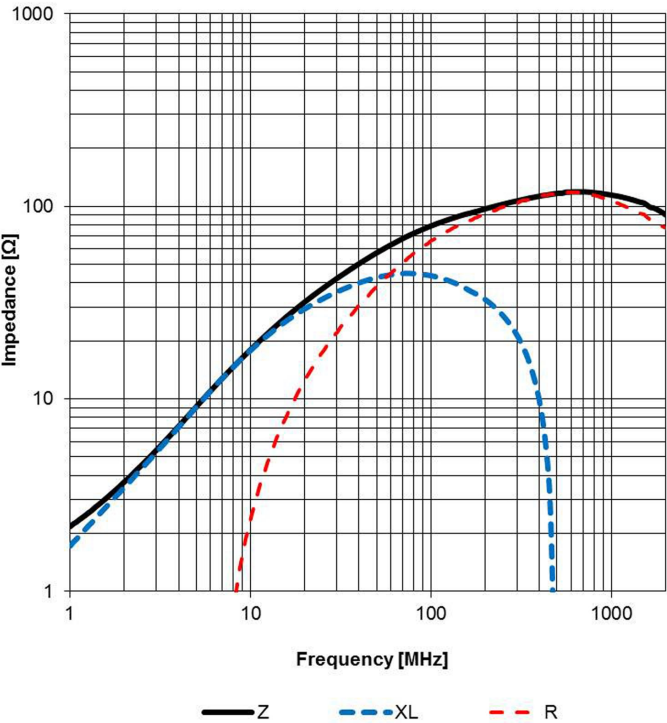
Do not use this part constantly beyond the Rated Current, as this will create excessive heat and can harm the component

- Storage Temperature (on Tape & Reel): -20°C to 60°C
- Operating Temperature: -55°C to 125°C
- Test conditions of Electrical Properties: 20°C, 33% RH if not specified differently

				Projection		DESCRIPTION
						WE-MPSB EMI Multilayer Power Suppression Bead
				Würth Elektronik eiSos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth-Str. 1 74638 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 www.we-online.com eiSos@we-online.com		Order.- No.
1.1	2015-01-07	SSt	MHB			74279220800
1.0	2014-11-05	SSt	MHB			
REV	DATE	BY	CHECKED			Size: 0805
						SIZE
						A4



F1 Typical Impedance Characteristics:



F2 Derating Curve (IR):



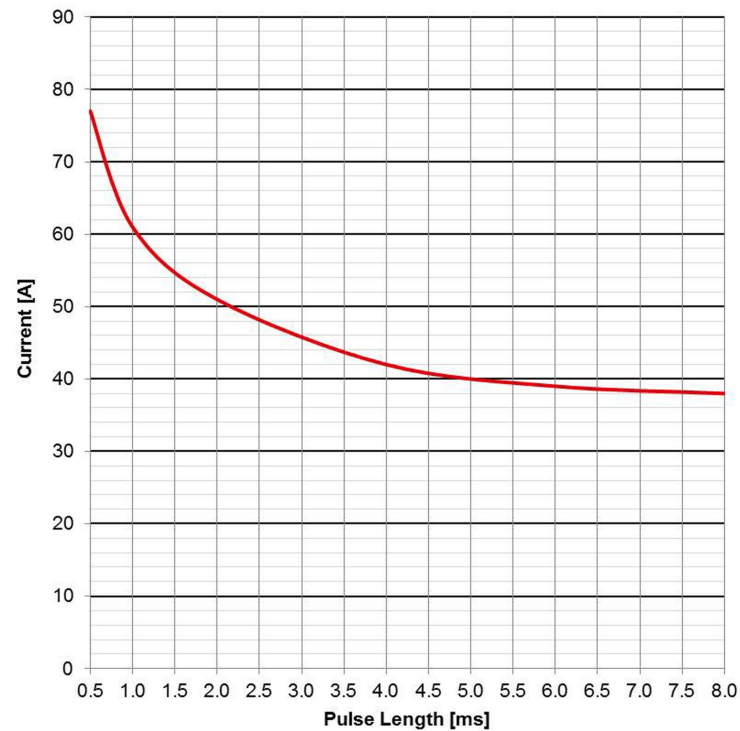
valid for ambient temperature: -55°C to +85°C

				Projection		DESCRIPTION
						WE-MPSB EMI Multilayer Power Suppression Bead
				Würth Elektronik eiSos GmbH & Co. KG		Order.- No.
				EMC & Inductive Solutions		74279220800
				Max-Eyth-Str. 1		COMPLIANT RoHS&REACH WÜRTH ELEKTRONIK
				74638 Waldenburg		SIZE
				Germany		A4
				Tel. +49 (0) 79 42 945 - 0		
				www.we-online.com		
				eiSos@we-online.com		
1.1	2015-01-07	SSt	MHB			Size: 0805
1.0	2014-11-05	SSt	MHB			
REV	DATE	BY	CHECKED			

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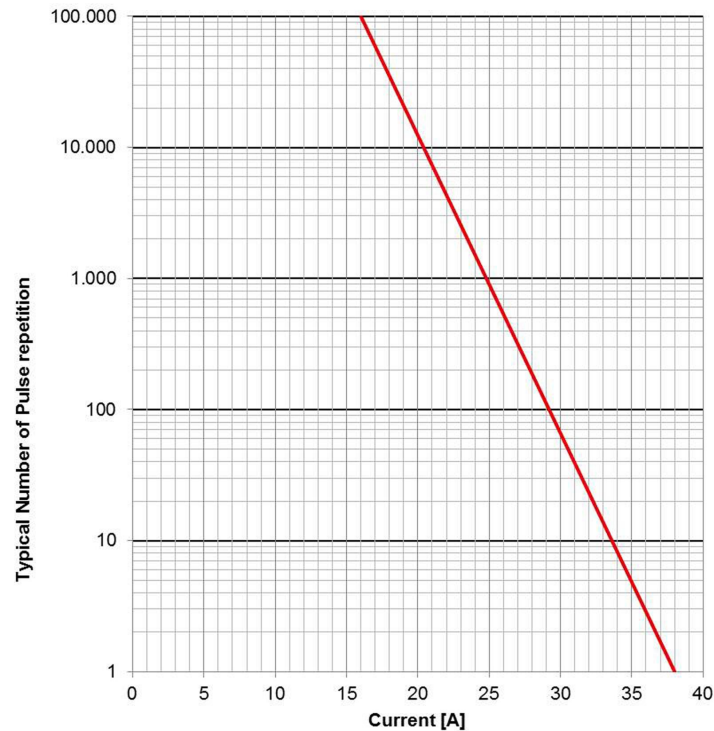


F3 Typical Peak Current vs. Pulse Length Characteristics:





valid for ambient temperature: +25°C; 8 ms pulse length, single pulse

F4 Typical Number of Pulse Repetition:

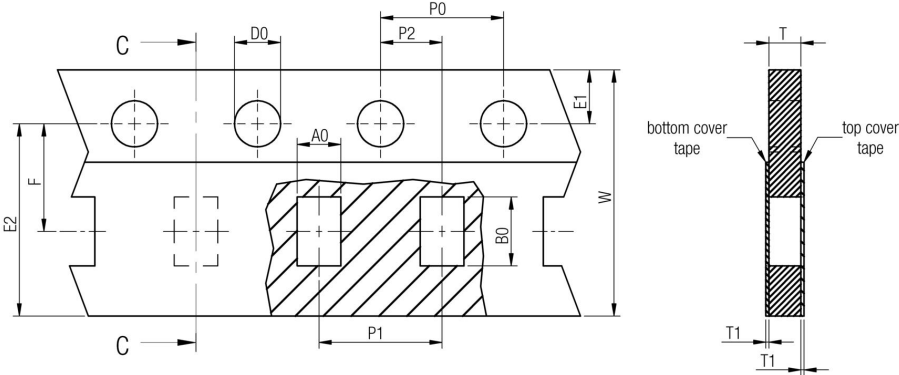


valid for ambient temperature: +25°C; 8 ms pulse length, 10 s break between pulse

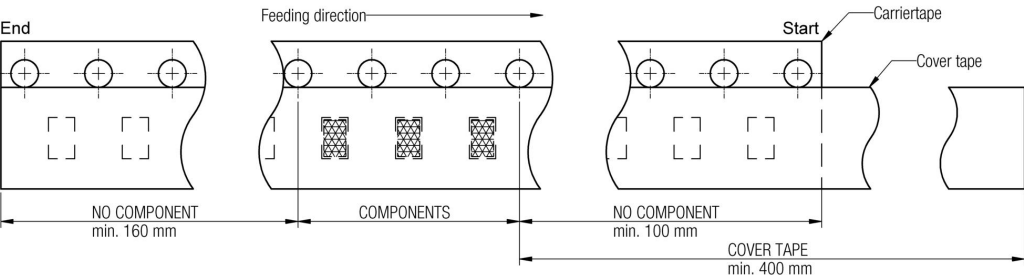
					<div>Projection</div> 		<div>DESCRIPTION</div> <div>WE-MPSB EMI Multilayer Power Suppression Bead</div>	
					<div>Würth Elektronik eiSos GmbH & Co. KG</div> <div>EMC & Inductive Solutions</div> <div>Max-Eyth-Str. 1</div> <div>74638 Waldenburg</div> <div>Germany</div> <div>Tel. +49 (0) 79 42 945 - 0</div> <div>www.we-online.com</div> <div>eiSos@we-online.com</div>		<div>Order.- No.</div> <div>74279220800</div> <div> <div>COMPLIANT</div><div>RoHS&REACH</div><div>WÜRTH ELEKTRONIK</div></div>	<div>SIZE</div> <div>A4</div>
1.1	2015-01-07	SSt	MHB					
1.0	2014-11-05	SSt	MHB					
REV	DATE	BY	CHECKED				<div>Size: 0805</div>	

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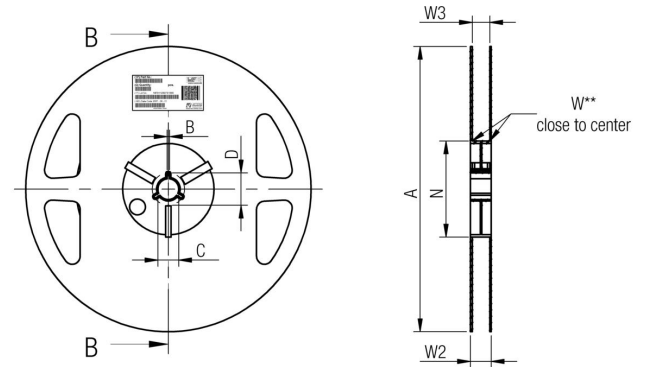
G Packaging Specification - Tape and Reel [mm]:



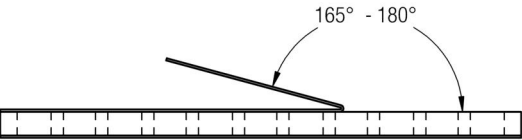
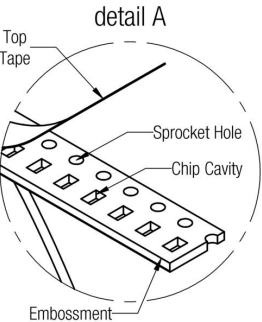
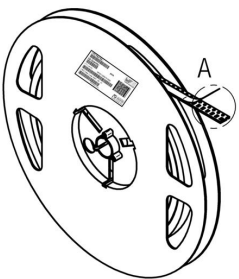
size		A0	B0	W	P1	T	T1	D0	E1	E2	F	P0	P2	Tape	Packaging Unit
	tolerance	typ.	typ.	+0,3 -0,1	± 0,1	max.	max.	+0,1 -0,0	± 0,1	min.	± 0,05	± 0,1	± 0,05		
	0402	0,69	1,19	8,00	2,00	0,66	0,10	1,50	1,75	6,25	3,50	4,00	2,00	Paper	10000
	0603	1,10	1,88	8,00	4,00	1,10	0,10	1,50	1,75	6,25	3,50	4,00	2,00	Paper	4000
	0805	1,42	2,24	8,00	4,00	1,04	0,10	1,50	1,75	6,25	3,50	4,00	2,00	Paper	4000



Packaging is referred to the international standard IEC 60286 -3:2007

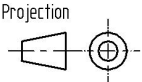


		A	B	C	D	N	W1	W2	W3	W3
tolerance			min.	± 0,8	min.	min.	+1,5	max.	min.	max.
Tape width	8 mm	178,00	1,50	13,00	20,20	50,00	8,40	14,40	7,90	10,90



Pull-of force	
Tape width	8 mm
	0,1 N - 1,0 N

1.1	2015-01-07	SSt	MHB	
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REV	DATE	BY	CHECKED	



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EMC & Inductive Solutions
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Germany
Tel. +49 (0) 79 42 945 - 0
www.we-online.com
eiSos@we-online.com

DESCRIPTION

**WE-MPSB EMI Multilayer Power
Suppression Bead**

Order.- No.

74279220800

Size: 0805



SIZE

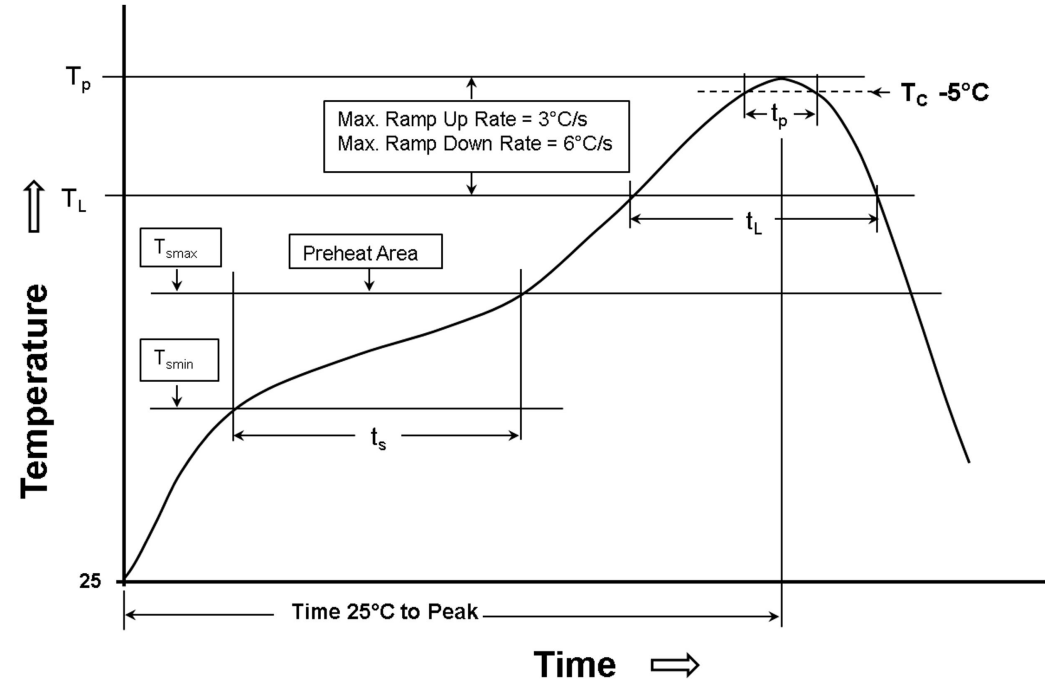
A4

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H Soldering Specifications:



H1: Classification Reflow Profile for SMT components:



H2: Classification Reflow Profiles

Profile Feature	Pb-Free Assembly
Preheat <ul style="list-style-type: none">- Temperature Min (T_{smin})- Temperature Max (T_{smax})- Time (t_s) from (T_{smin} to T_{smax})	150°C 200°C 60-120 seconds
Ramp-up rate (T_L to T_P)	3°C/ second max.
Liquidous temperature (T_L) Time (t_L) maintained above T_L	217°C 60-150 seconds
Peak package body temperature (T_P)	See Table H3
Time within 5°C of actual peak temperature (t_p)	20-30 seconds
Ramp-down rate (T_P to T_L)	6°C/ second max.
Time 25°C to peak temperature	8 minutes max.

refer to IPC/JEDEC J-STD-020D

H3: Package Classification Reflow Temperature

	Package Thickness	Volume mm³ <350	Volume mm³ 350 - 2000	Volume mm³ >2000
PB-Free Assembly	< 1.6 mm	260°C	260°C	260°C
PB-Free Assembly	1.6 - 2.5 mm	260°C	250°C	245°C
PB-Free Assembly	≥ 2.5 mm	250°C	245°C	245°C

refer to IPC/JEDEC J-STD-020D

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						Order.- No.
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						Size: 0805
						SIZE
						A4
1.1	2015-01-07	SSt	MHB			
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74638 Waldenburg
Germany
Tel. +49 (0) 79 42 945 - 0
www.we-online.com
eiSos@we-online.com

I Cautions and Warnings:

The following conditions apply to all goods within the product series of WE-MPSB of Würth Elektronik eiSos GmbH & Co. KG:

General:

All recommendations according to the general technical specifications of the data sheet have to be complied with.

The usage and operation of the product within ambient conditions, which probably alloy or harm the component surface, has to be avoided.

If the product is potted in customer applications, the potting material might shrink during and after hardening. The product is exposed to the pressure of the potting material with the effect that the ferrite body and termination is possibly damaged by this pressure and so the electrical as well as the mechanical characteristics are endangered to be affected. After the potting material is cured, the ferrite body and termination of the product have to be checked if any reduced electrical or mechanical functions or destructions have occurred.

The responsibility for the applicability of customer specific products and use in a particular customer design is always within the authority of the customer. All technical specifications for standard products do also apply to customer specific products.

Cleaning agents that are used to clean the customer application might damage or change the characteristics of the component, body, pins or termination.

Direct mechanical impact to the product shall be prevented as the ferrite material of the ferrite body could flake or in the worst case it could break.

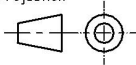

Product specific:

Follow all instructions mentioned in the data sheet, especially:

- The soldering profile has to be complied with according to the technical reflow soldering specification, otherwise this will void the warranty.
- Wave soldering is only allowed after evaluation and approval.
- All products shall be used before the end of the period of 12 months based on the product date code, if not a 100% solderability can't be ensured.
- Violation of the technical product specifications such as exceeding the nominal rated current will void the warranty.

The general and product specific cautions comply with the state of the scientific and technical knowledge and are believed to be accurate and reliable; however, no responsibility is assumed for inaccuracies or incompleteness.



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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.