SMD Ferrites for Specified Peak Current Rating

WÜRTH ELEKTRONIK

DESIGN KIT
PCB Ferrites for Inrush Peak Currents

Max. Pulse Current / Pulse Length

2 ms

40 A

2) Enter your inrush peak length

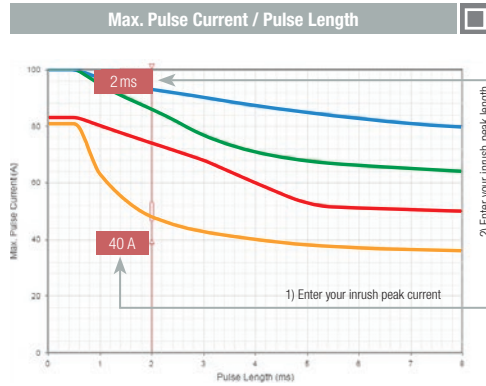1) Enter your inrush peak current

- see and compare easily the peak pulse capability
- filter products based on your individual pulse length and pulse current
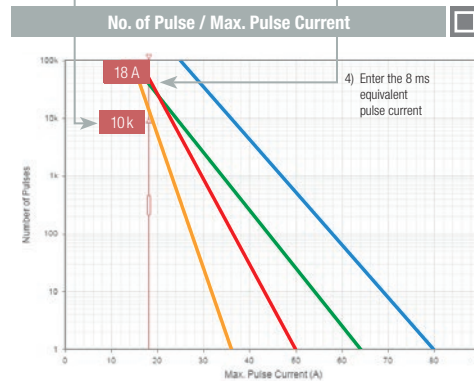- display the corresponding peak current rating

MPSB Designer in REDEXPERT
www.we-online.com/**MPSB-designer**

Pulse ✕

PARAMETERS

Single Pulse

| 40 A | Length | 2 ms |

Pulse Repetition for 8 ms Pulses

Number | 10 k | | 18 A |

3) Enter the number of pulses

No. of Pulse / Max. Pulse Current

18 A

10 k

4) Enter the 8 ms equivalent pulse current

74279220181	74279228260	74279221111	74279224551
WE-MPSB · 0805 180 Ω @ 100 MHz	WE-MPSB · 0603 26.0 Ω @ 100 MHz	WE-MPSB · 1206 110 Ω @ 100 MHz	WE-MPSB · 2220 550 Ω @ 100 MHz

Product Family

| WE-MPSB |
| WE-SUKW |
| WE-CMS |
| WE-PBF |

0603	0805	1206	2220	
742 792 280 8	**742 792 208 00**	**742 792 211 00**	**742 792 241 01**	**742 792 242 51**
I_{peak}@0.5ms: 100 A	I_{peak}@0.5ms: 77 A	I_{peak}@0.5ms: 100 A	I_{peak}@0.5ms: 100 A	I_{peak}@0.5ms: 100 A
I_{peak}@2ms: 93 A	I_{peak}@2ms: 51 A	I_{peak}@2ms: 93 A	I_{peak}@2ms: 93 A	I_{peak}@2ms: 93 A
I_{peak}@8ms Single Pulse: 80 A	I_{peak}@8ms Single Pulse: 38 A	I_{peak}@8ms Single Pulse: 80 A	I_{peak}@8ms Single Pulse: 80 A	I_{peak}@8ms Single Pulse: 80 A
I_{peak}@8ms 100k Pulses: 24 A	I_{peak}@8ms 100k Pulses: 16 A	I_{peak}@8ms 100k Pulses: 27 A	I_{peak}@8ms 100k Pulses: 22 A	I_{peak}@8ms 100k Pulses: 25 A
0603	**0805**	**1206**	**2220**	
742 792 282 60	**742 792 201 81**	**742 792 211 11**	**742 792 241 51**	**742 792 242 71**
I_{peak}@0.5ms: 83 A	I_{peak}@0.5ms: 81 A	I_{peak}@0.5ms: 100 A	I_{peak}@0.5ms: 100 A	I_{peak}@0.5ms: 100 A
I_{peak}@2ms: 74 A	I_{peak}@2ms: 48 A	I_{peak}@2ms: 86 A	I_{peak}@2ms: 93 A	I_{peak}@2ms: 93 A
I_{peak}@8ms Single Pulse: 50 A	I_{peak}@8ms Single Pulse: 36 A	I_{peak}@8ms Single Pulse: 64 A	I_{peak}@8ms Single Pulse: 80 A	I_{peak}@8ms Single Pulse: 80 A
I_{peak}@8ms 100k Pulses: 16 A	I_{peak}@8ms 100k Pulses: 14.5 A	I_{peak}@8ms 100k Pulses: 14 A	I_{peak}@8ms 100k Pulses: 20 A	I_{peak}@8ms 100k Pulses: 24 A
0603	**0805**	**1206**	**2220**	
742 792 286 00	**742 792 203 21**	**742 792 212 81**	**742 792 241 71**	**742 792 244 01**
I_{peak}@0.5ms: 67 A	I_{peak}@0.5ms: 59 A	I_{peak}@0.5ms: 79 A	I_{peak}@0.5ms: 100 A	I_{peak}@0.5ms: 100 A
I_{peak}@2ms: 57 A	I_{peak}@2ms: 35 A	I_{peak}@2ms: 47 A	I_{peak}@2ms: 93 A	I_{peak}@2ms: 93 A
I_{peak}@8ms Single Pulse: 44 A	I_{peak}@8ms Single Pulse: 26 A	I_{peak}@8ms Single Pulse: 35 A	I_{peak}@8ms Single Pulse: 80 A	I_{peak}@8ms Single Pulse: 80 A
I_{peak}@8ms 100k Pulses: 15 A	I_{peak}@8ms 100k Pulses: 11.5 A	I_{peak}@8ms 100k Pulses: 9 A	I_{peak}@8ms 100k Pulses: 17 A	I_{peak}@8ms 100k Pulses: 27 A
0603	**0805**	**1206**	**2220**	
742 792 281 11	**742 792 206 01**	**742 792 216 01**	**742 792 241 81**	**742 792 245 51**
I_{peak}@0.5ms: 44 A	I_{peak}@0.5ms: 41 A	I_{peak}@0.5ms: 61 A	I_{peak}@0.5ms: 100 A	I_{peak}@0.5ms: 100 A
I_{peak}@2ms: 30 A	I_{peak}@2ms: 24 A	I_{peak}@2ms: 36 A	I_{peak}@2ms: 93 A	I_{peak}@2ms: 93 A
I_{peak}@8ms Single Pulse: 25 A	I_{peak}@8ms Single Pulse: 18 A	I_{peak}@8ms Single Pulse: 27 A	I_{peak}@8ms Single Pulse: 80 A	I_{peak}@8ms Single Pulse: 80 A
I_{peak}@8ms 100k Pulses: 7 A	I_{peak}@8ms 100k Pulses: 7 A	I_{peak}@8ms 100k Pulses: 7 A	I_{peak}@8ms 100k Pulses: 31 A	I_{peak}@8ms 100k Pulses: 25 A
1612	**1812**	**3312**	**8.0 x 5.0 x 4.6**	**4.8 x 5.6 x 2.5**
742 792 235 60	**742 792 261 01**	**742 792 251 01**	**742 751 1**	**742 752 0**
I_{peak}@0.5ms: 100 A	I_{peak}@0.5ms: 100 A	I_{peak}@0.5ms: 100 A	I_{peak}@0.5ms: 100 A	I_{peak}@0.5ms: 100 A
I_{peak}@2ms: 93 A	I_{peak}@2ms: 93 A	I_{peak}@2ms: 93 A	I_{peak}@2ms: 100 A	I_{peak}@2ms: 100 A
I_{peak}@8ms Single Pulse: 80 A	I_{peak}@8ms Single Pulse: 80 A	I_{peak}@8ms Single Pulse: 80 A	I_{peak}@8ms Single Pulse: 80 A	I_{peak}@8ms Single Pulse: 80 A
I_{peak}@8ms 100k Pulses: 19 A	I_{peak}@8ms 100k Pulses: 22 A	I_{peak}@8ms 100k Pulses: 15 A	I_{peak}@8ms 100k Pulses: 50 A	I_{peak}@8ms 100k Pulses: 50 A
4.0 x 3.0 x 2.55	**8.5 x 3.0 x 2.55**	**7.80 x 4.75 x 3.0**	**11.0 x 4.65 x 5.0**	**8.9 x 5.6 x 2.5**
742 793 0	**742 793 1**	**742 793 2**	**742 751 2**	**742 752 1**
I_{peak}@0.5ms: 100 A	I_{peak}@0.5ms: 100 A	I_{peak}@0.5ms: 100 A	I_{peak}@0.5ms: 100 A	I_{peak}@0.5ms: 100 A
I_{peak}@2ms: 100 A	I_{peak}@2ms: 100 A	I_{peak}@2ms: 100 A	I_{peak}@2ms: 100 A	I_{peak}@2ms: 100 A
I_{peak}@8ms Single Pulse: 80 A	I_{peak}@8ms Single Pulse: 80 A	I_{peak}@8ms Single Pulse: 80 A	I_{peak}@8ms Single Pulse: 80 A	I_{peak}@8ms Single Pulse: 80 A
I_{peak}@8ms 100k Pulses: 50 A	I_{peak}@8ms 100k Pulses: 50 A	I_{peak}@8ms 100k Pulses: 50 A	I_{peak}@8ms 100k Pulses: 50A	I_{peak}@8ms 100k Pulses: 50 A

Important information: Würth Elektronik's design kits contain reference components. These components correspond with the current product development status on the day of supply. Exchange of the reference components to components with up-to-date product development status is not carried out automatically. No liability is taken for the use of these reference components. Therefore, please request new samples prior to releases for series production and product release.

Please check datasheets on www.we-online.com for specifications.
Würth Elektronik eiSos GmbH & Co. KG, EMC & Inductive Solutions. © 2016

All products in stock!