



DESIGN KIT PCB Ferrites for Inrush Peak Currents

PRODUCT FAMILY:

WE-MPSB / WE-PBF / WE-SUKW / WE-CMS

TECHNICAL DATA:

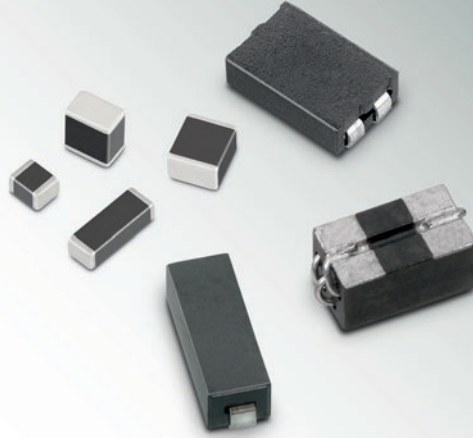
Z @ 100 MHz: 8 - 600 Ω

R_{DC}: 0.3 - 43 mΩ

I_R: 2100 - 10500 mA

I_{peak} @ 8ms: 18 - 80 A

Order Code 742 793
Version 1.0



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Product Family

WE-MPSB	WE-SUKW	WE-CMS	WE-PBF
0603 I _R : 9500 mA R _{DC} : 2.5 mΩ Z @ 100 MHz: 8 Ω	0805 I _R : 4000 mA R _{DC} : 13 mΩ Z @ 100 MHz: 80 Ω	0603 I _R : 50 A R _{DC} : 5 mΩ Z @ 100 MHz: 26 Ω	0603 I _R : 5100 mA R _{DC} : 8.5 mΩ Z @ 100 MHz: 60 Ω
742 792 280 8	742 792 208 00	742 792 282 60	742 792 286 00
0805 I _R : 4000 mA R _{DC} : 13 mΩ Z @ 100 MHz: 80 Ω	0805 I _R : 3100 mA R _{DC} : 26.5 mΩ Z @ 100 MHz: 180 Ω	0805 I _R : 3500 mA R _{DC} : 22 mΩ Z @ 100 MHz: 280 Ω	0805 I _R : 2500 mA R _{DC} : 30.5 mΩ Z @ 100 MHz: 320 Ω
742 792 211 00	742 792 201 81	742 792 212 81	742 792 203 21
1206 I _R : 10500 mA R _{DC} : 1 mΩ Z @ 100 MHz: 10 Ω	1206 I _R : 5400 mA R _{DC} : 9.5 mΩ Z @ 100 MHz: 110 Ω	1206 I _R : 4000 mA R _{DC} : 11 mΩ Z @ 100 MHz: 170 Ω	1206 I _R : 3500 mA R _{DC} : 38 mΩ Z @ 100 MHz: 600 Ω
742 792 241 01	742 792 241 51	742 792 241 71	742 792 244 01
2220 I _R : 7000 mA R _{DC} : 3.5 mΩ Z @ 100 MHz: 100 Ω	2220 I _R : 4000 mA R _{DC} : 7 mΩ Z @ 100 MHz: 270 Ω	2220 I _R : 4500 mA R _{DC} : 15 mΩ Z @ 100 MHz: 400 Ω	2220 I _R : 4700 mA R _{DC} : 14.5 mΩ Z @ 100 MHz: 110 Ω
742 792 241 01	742 792 241 51	742 792 245 51	742 792 281 11
0603 I _R : 10000 mA R _{DC} : 2.5 mΩ Z @ 100 MHz: 56 Ω	1812 I _R : 8000 mA R _{DC} : 4.5 mΩ Z @ 100 MHz: 100 Ω	1612 I _R : 10000 mA R _{DC} : 2.5 mΩ Z @ 100 MHz: 56 Ω	742 792 236 60
742 792 261 01	742 792 261 01	742 792 261 01	742 792 261 01
4.0 x 3.0 x 2.55 I _R : 6000 mA R _{DC} : 0.4 mΩ Z @ 100 MHz: 42 Ω	8.5 x 3.0 x 2.55 I _R : 6000 mA R _{DC} : 0.7 mΩ Z @ 100 MHz: 91 Ω	7.80 x 4.75 x 3.0 I _R : 6000 mA R _{DC} : 0.7 mΩ Z @ 100 MHz: 98 Ω	742 793 0
742 793 0	742 793 1	742 793 2	742 793 1
4.8 x 5.6 x 2.5 I _R : 5000 mA R _{DC} : 0.3 mΩ Z @ 100 MHz: 30 Ω	8.0 x 5.0 x 4.6 I _R : 5000 mA R _{DC} : 8 mΩ Z @ 100 MHz: 416 Ω	11.0 x 4.65 x 5.0 I _R : 5000 mA R _{DC} : 10 mΩ Z @ 100 MHz: 580 Ω	742 752 0
742 752 0	742 751 1	742 751 2	742 752 1
8.9 x 5.6 x 2.5 I _R : 5000 mA R _{DC} : 1 mΩ Z @ 100 MHz: 52 Ω	8.9 x 5.6 x 2.5 I _R : 5000 mA R _{DC} : 1 mΩ Z @ 100 MHz: 52 Ω	8.9 x 5.6 x 2.5 I _R : 5000 mA R _{DC} : 1 mΩ Z @ 100 MHz: 52 Ω	742 752 1
742 752 1	742 752 1	742 752 1	742 752 1

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Please check datasheets on www.we-online.com for specifications.

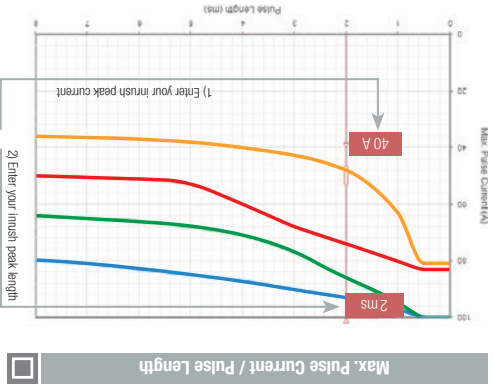
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- see and compare easily the peak pulse capability
- filter products based on your individual pulse length and pulse current
- display the corresponding peak current rating



PARAMETERS

Pulse Repetition for 8 ms Pulses
Number: 10 K
Length: 2 ms
Single Pulse: 40 A

PRODUCT FAMILY
WE-MPSB WE-SUKW WE-CMS WE-PBF

Max. Pulse Current / Pulse Length

No. of Pulse / Max. Pulse Current

4) Enter the 8 ms equivalent pulse current

Pulse

74279220181 * WE-MPSB - 0805 180 Ω @ 100 MHz
74279228260 * WE-MPSB - 0603 25.0 Ω @ 100 MHz
74279221111 * WE-MPSB - 1206 110 Ω @ 100 MHz
74279224551 * WE-MPSB - 2220 550 Ω @ 100 MHz

SMD Ferrites for Specified Peak Current Rating



more than you expect

DESIGN KIT

PCB Ferrites for Inrush Peak Currents



0603	0805	1206	2220
742 792 280 8	742 792 208 00	742 792 211 00	742 792 242 51
100 A @ 0.5ms 93 A @ 2ms 77 A @ 5ms	100 A @ 0.5ms 93 A @ 2ms 77 A @ 5ms	100 A @ 0.5ms 93 A @ 2ms 77 A @ 5ms	100 A @ 0.5ms 93 A @ 2ms 77 A @ 5ms
WE-MPSB	WE-MPSB	WE-MPSB	WE-MPSB
WE-SUKW	WE-SUKW	WE-SUKW	WE-SUKW
WE-CMS	WE-CMS	WE-CMS	WE-CMS
WE-PBF	WE-PBF	WE-PBF	WE-PBF
0603	0805	1206	2220
742 792 282 60	742 792 201 81	742 792 211 11	742 792 241 51
100 A @ 0.5ms 93 A @ 2ms 83 A @ 5ms	100 A @ 0.5ms 93 A @ 2ms 81 A @ 5ms	100 A @ 0.5ms 93 A @ 2ms 81 A @ 5ms	100 A @ 0.5ms 93 A @ 2ms 81 A @ 5ms
WE-MPSB	WE-MPSB	WE-MPSB	WE-MPSB
WE-SUKW	WE-SUKW	WE-SUKW	WE-SUKW
WE-CMS	WE-CMS	WE-CMS	WE-CMS
WE-PBF	WE-PBF	WE-PBF	WE-PBF
0603	0805	1206	2220
742 792 286 00	742 792 203 21	742 792 212 81	742 792 241 71
100 A @ 0.5ms 67 A @ 2ms 57 A @ 5ms	100 A @ 0.5ms 67 A @ 2ms 59 A @ 5ms	100 A @ 0.5ms 67 A @ 2ms 59 A @ 5ms	100 A @ 0.5ms 67 A @ 2ms 59 A @ 5ms
WE-MPSB	WE-MPSB	WE-MPSB	WE-MPSB
WE-SUKW	WE-SUKW	WE-SUKW	WE-SUKW
WE-CMS	WE-CMS	WE-CMS	WE-CMS
WE-PBF	WE-PBF	WE-PBF	WE-PBF
0603	0805	1206	2220
742 792 281 11	742 792 206 01	742 792 216 01	742 792 241 81
100 A @ 0.5ms 44 A @ 2ms 30 A @ 5ms	100 A @ 0.5ms 44 A @ 2ms 30 A @ 5ms	100 A @ 0.5ms 44 A @ 2ms 30 A @ 5ms	100 A @ 0.5ms 44 A @ 2ms 30 A @ 5ms
WE-MPSB	WE-MPSB	WE-MPSB	WE-MPSB
WE-SUKW	WE-SUKW	WE-SUKW	WE-SUKW
WE-CMS	WE-CMS	WE-CMS	WE-CMS
WE-PBF	WE-PBF	WE-PBF	WE-PBF
0603	0805	1206	2220
742 792 235 60	742 792 261 01	742 792 251 01	742 792 241 81
100 A @ 0.5ms 93 A @ 2ms 100 A @ 5ms	100 A @ 0.5ms 93 A @ 2ms 100 A @ 5ms	100 A @ 0.5ms 93 A @ 2ms 100 A @ 5ms	100 A @ 0.5ms 93 A @ 2ms 100 A @ 5ms
WE-MPSB	WE-MPSB	WE-MPSB	WE-MPSB
WE-SUKW	WE-SUKW	WE-SUKW	WE-SUKW
WE-CMS	WE-CMS	WE-CMS	WE-CMS
WE-PBF	WE-PBF	WE-PBF	WE-PBF
0603	0805	1206	2220
742 793 0	742 793 1	742 793 2	742 793 1
100 A @ 0.5ms 100 A @ 2ms 100 A @ 5ms	100 A @ 0.5ms 100 A @ 2ms 100 A @ 5ms	100 A @ 0.5ms 100 A @ 2ms 100 A @ 5ms	100 A @ 0.5ms 100 A @ 2ms 100 A @ 5ms
WE-MPSB	WE-MPSB	WE-MPSB	WE-MPSB
WE-SUKW	WE-SUKW	WE-SUKW	WE-SUKW
WE-CMS	WE-CMS	WE-CMS	WE-CMS
WE-PBF	WE-PBF	WE-PBF	WE-PBF
0603	0805	1206	2220
742 792 261 01	742 792 251 01	742 751 1	742 752 0
100 A @ 0.5ms 93 A @ 2ms 100 A @ 5ms	100 A @ 0.5ms 93 A @ 2ms 100 A @ 5ms	100 A @ 0.5ms 93 A @ 2ms 100 A @ 5ms	100 A @ 0.5ms 93 A @ 2ms 100 A @ 5ms
WE-MPSB	WE-MPSB	WE-MPSB	WE-MPSB
WE-SUKW	WE-SUKW	WE-SUKW	WE-SUKW
WE-CMS	WE-CMS	WE-CMS	WE-CMS
WE-PBF	WE-PBF	WE-PBF	WE-PBF
0603	0805	1206	2220
742 792 261 01	742 792 251 01	742 751 2	742 752 1
100 A @ 0.5ms 93 A @ 2ms 100 A @ 5ms	100 A @ 0.5ms 93 A @ 2ms 100 A @ 5ms	100 A @ 0.5ms 93 A @ 2ms 100 A @ 5ms	100 A @ 0.5ms 93 A @ 2ms 100 A @ 5ms
WE-MPSB	WE-MPSB	WE-MPSB	WE-MPSB
WE-SUKW	WE-SUKW	WE-SUKW	WE-SUKW
WE-CMS	WE-CMS	WE-CMS	WE-CMS
WE-PBF	WE-PBF	WE-PBF	WE-PBF
0603	0805	1206	2220
742 793 2	742 793 1	742 793 2	742 793 1
100 A @ 0.5ms 100 A @ 2ms 100 A @ 5ms	100 A @ 0.5ms 100 A @ 2ms 100 A @ 5ms	100 A @ 0.5ms 100 A @ 2ms 100 A @ 5ms	100 A @ 0.5ms 100 A @ 2ms 100 A @ 5ms
WE-MPSB	WE-MPSB	WE-MPSB	WE-MPSB
WE-SUKW	WE-SUKW	WE-SUKW	WE-SUKW
WE-CMS	WE-CMS	WE-CMS	WE-CMS
WE-PBF	WE-PBF	WE-PBF	WE-PBF

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