

Panasonic
ideas for life



91 L-values

LxW: 6x6 mm - 12,5x12,5 mm
H: 2,8 mm - 5,7 mm
L: 1,0 μ H - 1000 μ H
Idc: 0,18A - 14,2A
Rdc: 2,24m Ω - 3,67 Ω

SMD Power Inductors

Design-Kit for Power Conversion Applications



#1

SMD Power Inductors #1

Design-Kit for Power Conversion Applications

ELL6RH2R7M L = 2,7μH (±20%) Idc: 1800mA Rdc: 0,039Ω 6x6x2.8mm	ELL6RH3R3M L = 3,3μH (±20%) Idc: 1600mA Rdc: 0,044Ω 6x6x2.8mm	ELL6RH5R1M L = 5,1μH (±20%) Idc: 1550mA Rdc: 0,056Ω 6x6x2.8mm	ELL6RH100M L = 10μH (±20%) Idc: 1100mA Rdc: 0,095Ω 6x6x2.8mm	ELL6RH6R2M L = 6,2μH (±20%) Idc: 1400mA Rdc: 0,062Ω 6x6x2.8mm	ELL6RH8R2M L = 8,2μH (±20%) Idc: 1200mA Rdc: 0,087Ω 6x6x2.8mm	ELL6RH150M L = 15μH (±20%) Idc: 850mA Rdc: 0,15Ω 6x6x2.8mm	ELL6RH220M L = 22μH (±20%) Idc: 700mA Rdc: 0,22Ω 6x6x2.8mm
ELL6RH470M L = 47μH (±20%) Idc: 500mA Rdc: 0,48Ω 6x6x2.8mm	ELL6RH680M L = 68μH (±20%) Idc: 400mA Rdc: 0,77Ω 6x6x2.8mm	ELL6RH101M L = 100μH (±20%) Idc: 300mA Rdc: 1,0Ω 6x6x2.8mm	ELL6RH151M L = 150μH (±20%) Idc: 250mA Rdc: 1,8Ω 6x6x2.8mm	ELL6SH121M L = 120μH (±20%) Idc: 370mA Rdc: 0,75Ω 6x6x3.3mm	ELL6SH151M L = 150μH (±20%) Idc: 860mA Rdc: 0,35Ω 6x6x3.3mm	ELL6SH181M L = 180μH (±20%) Idc: 300mA Rdc: 1,3Ω 6x6x3.3mm	ELL6RH221M L = 220μH (±20%) Idc: 200mA Rdc: 2,3Ω 6x6x2.8mm
ELL6SH1R0M L = 1,0μH (±20%) Idc: 3400mA Rdc: 0,019Ω 6x6x3.3mm	ELL6SH1R5M L = 1,5μH (±20%) Idc: 3200mA Rdc: 0,024Ω 6x6x3.3mm	ELL6SH2R7M L = 2,7μH (±20%) Idc: 2400mA Rdc: 0,031Ω 6x6x3.3mm	ELL6SH3R3M L = 3,3μH (±20%) Idc: 2200mA Rdc: 0,034Ω 6x6x3.3mm	ELL6SH4R7M L = 4,7μH (±20%) Idc: 2000mA Rdc: 0,042Ω 6x6x3.3mm	ELL6SH5R6M L = 5,6μH (±20%) Idc: 1800mA Rdc: 0,049Ω 6x6x3.3mm	ELL6SH6R8M L = 6,8μH (±20%) Idc: 1500mA Rdc: 0,052Ω 6x6x3.3mm	ELL6SH100M L = 10μH (±20%) Idc: 1300mA Rdc: 0,065Ω 6x6x3.3mm
ELL6SH120M L = 12μH (±20%) Idc: 1200mA Rdc: 0,071Ω 6x6x3.3mm	ELL6SH150M L = 15μH (±20%) Idc: 1100mA Rdc: 0,096Ω 6x6x3.3mm	ELL6SH220M L = 22μH (±20%) Idc: 900mA Rdc: 0,14Ω 6x6x3.3mm	ELL6SH270M L = 27μH (±20%) Idc: 800mA Rdc: 0,16Ω 6x6x3.3mm	ELL6SH470M L = 47μH (±20%) Idc: 600mA Rdc: 0,27Ω 6x6x3.3mm	ELL6SH820M L = 82μH (±20%) Idc: 450mA Rdc: 0,60Ω 6x6x3.3mm	ELL6SH101M L = 100μH (±20%) Idc: 400mA Rdc: 0,68Ω 6x6x3.3mm	ELL6SH471M L = 470μH (±20%) Idc: 200mA Rdc: 2,3Ω 6x6x3.3mm
ELL6UH100M L = 10μH (±20%) Idc: 1800mA Rdc: 0,063Ω 6x6x5.0mm	ELL6UH180M L = 18μH (±20%) Idc: 1400mA Rdc: 0,088Ω 6x6x5.0mm	ELL6UH220M L = 22μH (±20%) Idc: 1300mA Rdc: 0,098Ω 6x6x5.0mm	ELL6UH330M L = 33μH (±20%) Idc: 1100mA Rdc: 0,13Ω 6x6x5.0mm	ELL6UH390M L = 39μH (±20%) Idc: 1000mA Rdc: 0,15Ω 6x6x5.0mm	ELL6UH470M L = 47μH (±20%) Idc: 900mA Rdc: 0,16Ω 6x6x5.0mm	ELL6UH101M L = 100μH (±20%) Idc: 600mA Rdc: 0,36Ω 6x6x5.0mm	ELL6UH151M L = 150μH (±20%) Idc: 500mA Rdc: 0,68Ω 6x6x5.0mm
ELL6UH271M L = 270μH (±20%) Idc: 370mA Rdc: 1,2Ω 6x6x5.0mm	ELL6UH331M L = 330μH (±20%) Idc: 330mA Rdc: 1,36Ω 6x6x5.0mm	ELL6UH391M L = 390μH (±20%) Idc: 300mA Rdc: 1,5Ω 6x6x5.0mm	ELL6UH471M L = 470μH (±20%) Idc: 270mA Rdc: 1,68Ω 6x6x5.0mm	ELL6UH561M L = 560μH (±20%) Idc: 260mA Rdc: 2,53Ω 6x6x5.0mm	ELL6UH681M L = 680μH (±20%) Idc: 240mA Rdc: 2,83Ω 6x6x5.0mm	ELL6UH821M L = 820μH (±20%) Idc: 200mA Rdc: 3,14Ω 6x6x5.0mm	ELL6UH102M L = 1000μH (±20%) Idc: 180mA Rdc: 3,67Ω 6x6x5.0mm

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91 L-values

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H: 2,8 mm - 5,7 mm
L: 1,0 μ H - 1000 μ H
Idc: 0,18A - 14,2A
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SMD Power Inductors

Design-Kit for Power Conversion Applications



#2

SMD Power Inductors #2

Design-Kit for Power Conversion Applications

ETQP6F1R2HFA L= 1,2μH (±30%) Idc: 14,2A Rdc: 2,24mΩ 12.5x12.5x5.7mm	ETQP6F2R0HFA L= 2,0μH (±30%) Idc: 12,5A Rdc: 3,3mΩ 12.5x12.5x5.7mm	ETQP6F3R2HFA L= 3,2μH (±25%) Idc: 10,8A Rdc: 4,92mΩ 12.5x12.5x5.7mm	ETQP6F4R6HFA L= 4,6μH (±25%) Idc: 9,3A Rdc: 6,48mΩ 12.5x12.5x5.7mm	ETQP6F6R4HFA L= 6,4μH (±25%) Idc: 7,9A Rdc: 8,64mΩ 12.5x12.5x5.7mm	ETQP6F8R2HFA L= 8,2μH (±25%) Idc: 7,2A Rdc: 10,9mΩ 12.5x12.5x5.7mm	ETQP6F102HFA L= 10,2μH (±25%) Idc: 6,5A Rdc: 13,3mΩ 12.5x12.5x5.7mm		
ELLCTV1R2N L= 1,2μH (±30%) Idc: 6,5A Rdc: 4,6mΩ 12x12x4.5mm	ELLCTV4R7N L= 4,7μH (±30%) Idc: 5,2A Rdc: 9,9mΩ 12x12x4.5mm	ELLCTV8R2N L= 8,2μH (±30%) Idc: 4,4A Rdc: 15mΩ 12x12x4.5mm	ELLCTV100M L= 10μH (±20%) Idc: 3,9A Rdc: 17mΩ 12x12x4.5mm	ELLCTV120M L= 12μH (±20%) Idc: 3,7A Rdc: 22mΩ 12x12x4.5mm	ELLCTV180M L= 18μH (±20%) Idc: 3,0A Rdc: 30mΩ 12x12x4.5mm	ELLCTV270M L= 27μH (±20%) Idc: 2,3A Rdc: 37mΩ 12x12x4.5mm	ELLCTV330M L= 33μH (±20%) Idc: 2,2A Rdc: 50mΩ 12x12x4.5mm	
ELLCTV390M L= 39μH (±20%) Idc: 2,1A Rdc: 61mΩ 12x12x4.5mm	ELLCTV470M L= 47μH (±20%) Idc: 1,9A Rdc: 69mΩ 12x12x4.5mm	ELLCTV560M L= 56μH (±20%) Idc: 1,6A Rdc: 87mΩ 12x12x4.5mm	ELLCTV820M L= 82μH (±20%) Idc: 1,4A Rdc: 0,12Ω 12x12x4.5mm	ELLCTV121M L= 120μH (±20%) Idc: 1,1A Rdc: 0,19Ω 12x12x4.5mm	ELLCTV221M L= 220μH (±20%) Idc: 0,84A Rdc: 0,31Ω 12x12x4.5mm	ELLCTV681M L= 680μH (±20%) Idc: 0,47A Rdc: 1,01Ω 12x12x4.5mm	ELLCTV102M L= 1000μH (±20%) Idc: 0,41A Rdc: 1,5Ω 12x12x4.5mm	
ELLATP5R1NB L= 5,1μH (±30%) Idc: 4,35A Rdc: 0,012Ω 10x10x4.5mm	ELLATP6R8NB L= 6,8μH (±30%) Idc: 4,0A Rdc: 0,015Ω 10x10x4.5mm	ELLATP8R2NB L= 8,2μH (±30%) Idc: 3,7A Rdc: 0,018Ω 10x10x4.5mm	ELLATP100MB L= 10μH (±20%) Idc: 3,3A Rdc: 0,022Ω 10x10x4.5mm	ELLATP120MB L= 12μH (±20%) Idc: 2,9A Rdc: 0,012Ω 10x10x4.5mm	ELLATP150MB L= 15μH (±20%) Idc: 2,7A Rdc: 0,029Ω 10x10x4.5mm	ELLATP220MB L= 22μH (±20%) Idc: 2,2A Rdc: 0,038Ω 10x10x4.5mm	ELLATP270MB L= 27μH (±20%) Idc: 1,9A Rdc: 0,047Ω 10x10x4.5mm	ELLATP330MB L= 33μH (±20%) Idc: 1,8A Rdc: 0,059Ω 10x10x4.5mm
ELLATP390MB L= 39μH (±20%) Idc: 1,6A Rdc: 0,066Ω 10x10x4.5mm	ELLATP470MB L= 47μH (±20%) Idc: 1,5A Rdc: 0,08Ω 10x10x4.5mm	ELLATP101MB L= 100μH (±20%) Idc: 1,0A Rdc: 0,18Ω 10x10x4.5mm	ELLATP121MB L= 120μH (±20%) Idc: 0,9A Rdc: 0,2Ω 10x10x4.5mm	ELLATP181MB L= 180μH (±20%) Idc: 0,75A Rdc: 0,32Ω 10x10x4.5mm	ELLATP221MB L= 220μH (±20%) Idc: 0,7A Rdc: 0,36Ω 10x10x4.5mm	ELLATP331MB L= 330μH (±20%) Idc: 0,55A Rdc: 0,55Ω 10x10x4.5mm	ELLATP102MB L= 1000μH (±20%) Idc: 0,31A Rdc: 1,7Ω 10x10x4.5mm	
ELL8TP220MB L= 22μH (±20%) Idc: 2,2A Rdc: 0,055Ω 8x8x4.7mm	ELL8TP470MB L= 47μH (±20%) Idc: 1,4A Rdc: 0,1Ω 8x8x4.7mm	ELL8TP102MB L= 1000μH (±20%) Idc: 0,25A Rdc: 2,1Ω 8x8x4.7mm						