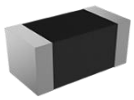
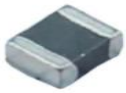
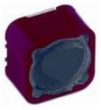
Inductor Sample Box

Ferrites for PCB Assembly

PARAMETER	EXAMPLE DIAGRAM AND ENCAPSULATION		
Z@100MHz: 10 Ω – 300 Ω **I_R:** 0.15 A – 0.5 A **R_{DC}:** 0.1 Ω – 0.9 Ω		0201	
Z@100MHz: 5 Ω – 2.7 kΩ **I_R:** 50 mA – 6 A **R_{DC}:** 8 mΩ – 1.5 Ω		0402 – 1812	
Z@100MHz: 8 Ω – 600 Ω **I_R:** 2.1 A – 10.5 A **R_{DC}:** 1 mΩ – 80 mΩ		0603 – 3312	
Z@100MHz: 42 Ω – 98 Ω **I_R:** 6 A **R_{DC}:** 0.6 mΩ – 0.9 mΩ		4 x 3 x 2.55 7.8 x 4.75 x 3	
Z@100MHz: 185Ω–1.18kΩ **I_R:** 4.5 A – 10 A **R_{DC}:** 9 mΩ – 30 mΩ		1280	
Z@100MHz: 30 Ω – 52 Ω **I_R:** 5 A **R_{DC}:** 3 mΩ		4.5 x 5.6 x 3.2 8.9 x 5.6 x 3.2	
Z@100MHz:416 Ω – 580 Ω **I_R:** 5 A **R_{DC}:** 11 mΩ – 12 mΩ		8 x 5 x 4.6 11 x 4.65 x 5	

Common Mode Chokes for Power Lines

PARAMETER	EXAMPLE DIAGRAM AND ENCAPSULATION	
L:700 µH – 47 mH **I_R:**0.4 A – 5.25 A **R_{DC}:**30 mΩ – 2.6 Ω		Type SH 23.3 x 18.5 x 11.5

Filter Chokes

PARAMETER	EXAMPLE DIAGRAM AND ENCAPSULATION		
L:47 nH – 33 µH **I_R:**3 mA – 0.3 A **R_{DC}:**0.15 Ω – 2.1 Ω		0603 – 1206	

Common Mode Chokes for Data & Signal Lines

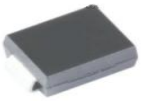
PARAMETER	EXAMPLE DIAGRAM AND ENCAPSULATION		
L:300 nH – 250 µH **I_R:**90 mA – 2 A **R_{DC}:**50 mΩ – 2.65 Ω		0603 – 1812	
L:11 µH – 470 µH **I_R:**0.3 A – 0.4 A **R_{DC}:**0.18 Ω – 0.58 Ω		6 x 3.3 x 3.3	
L:10 µH – 330 µH **I_R:**0.3 A **R_{DC}:**0.16 Ω – 0.3 Ω		6.5 x 3.6 x 1.65	
L:10 µH – 20 mH **I_R:**0.2 A – 1.6 A **R_{DC}:**80 mΩ – 0.95 Ω		9.2 x 6 x 5	
L:20 µH – 100 µH **I_R:**0.45 A – 0.7 A **R_{DC}:**0.14 Ω – 0.45 Ω		9.2 x 6.6 x 2.5	
L:120 µH – 4.7 mH **I_R:**0.35 A – 2.5 A **R_{DC}:**25 mΩ – 0.72 Ω		10 x 8.7 x 6.5	
L:35 µH – 4.7 mH **I_R:**0.2 A – 2.7 A **R_{DC}:**35 mΩ – 0.85 Ω		12.7 x 10.5 x 5.7	
L:1 µH – 1 mH **I_R:**0.15 A – 4.75 A **R_{DC}:**12 mΩ – 4.3 Ω		7345 – 1210	
L:13 µH – 100 mH **I_R:**0.15 A – 10 A **R_{DC}:**2.7 mΩ – 8.5 Ω		16.6 x 12.5 x 9.3	

ESD Protection

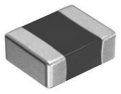
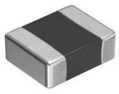
PARAMETER	EXAMPLE DIAGRAM AND ENCAPSULATION	
V_{DC}: 3.3 V – 5 V **C_{CH}:**0.2 pF – 55 pF **$V_{ESD,Contact}$:** 8kV–24 kV **$V_{ESD,Air}$:** 15 kV – 30 kV **Channels:** 2 – 6+1 **Series:** Standard / High Speed / Super Speed **Polarity:** Uni-/Bidirectional		SOT23 -3L/ -5L/ -6L SC70 -5L/-6L SOT563 SOT143 MSOP -8L/-10L

V_{DC}: 5 V – 24 V **C_{CH}:** 1 pF – 100 pF **$V_{ESD,air}$:**15 kV		0402 – 0805	
V_{DC}:5 V – 12 V C_{CH}:0.2 pF $V_{ESD,air}$:15 kV		0402 – 0603	
V_{DC}:5 V – 18 V C_{CH}: 10 pF – 120 pF		0508 – 0612	

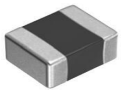
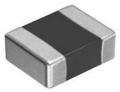
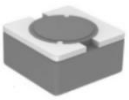
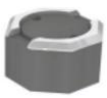
Surge Protection

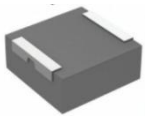
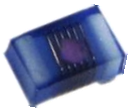
PARAMETER	EXAMPLE DIAGRAM AND ENCAPSULATION		
V_{RMS}:4 V – 60 V **V_{DC}:** 5.5 V – 85 V **I_{PEAK}:**20 A – 200 A **W_{Max}:**20 mJ – 1.1 J		0402 – 1206	
V_{DC}: 5 V – 100 V **I_{PEAK}:**2.5 A – 326.1 A **V_{CLAMP}:**9.2 V – 162 V **P_{DISS}:** 400 W – 3000 W **Polarity:** Uni / Bidirectional		DO214AC (SMAJ) DO214 AA (SMBJ) DO214AB (SMCJ/SMDJ)	

Interference Suppression Capacitor

C:33 pF – 4700 pF **U_I:**2.5 kVDC – 5 kVDC **U_R:** 250 VAC		1808 – 2211	
L:100 nH – 1 mH **I_R:**30 mA – 4.5 A **R_{DC}:**0.32 Ω – 50 Ω		1210 – 1812	
L:1 nH – 220 µH **I_R:**0.16 A – 1.9 A **R_{DC}:**81 mΩ – 10.14 Ω		2520 – 4532	
L:1 nH – 1.5 µH **Q_m:**13 – 75 **I_R:**0.1 A – 1.36 A		0402 – 1008	
L:1 nH – 390 µH **Q_m:**10 – 46 **I_R:**0.17 A – 2.3 A		0402 – 0603	

Single Coil Power Inductors

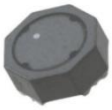
PARAMETER	EXAMPLE DIAGRAM AND ENCAPSULATION		
L:110 nH – 10 μH **I_R**:0.45 A – 4 A **R_{DC}**:7 mΩ – 0.5 Ω		0603 – 1210	
L:40 nH – 1.5 μH **I_R**:1.2 A – 7 A **R_{DC}**:9 mΩ – 0.125 Ω		0805 – 0806	
L:240 nH – 2.2 μH **I_R**:1.2 A – 5.5 A **R_{DC}**:10 mΩ – 0.195 Ω		0603 – 1210	
L:1 μH – 2.2 mH **I_R**:40 mA – 1.8 A **R_{DC}**:80 mΩ – 47 Ω		1210 – 1812	
L:160 nH – 10 mH **I_R**:0.13 A – 6.85 A **R_{DC}**:6 mΩ – 22.8 Ω		2010 – 8065	
L:470 nH – 10 μH **I_R**:0.65 A – 6.4 A **R_{DC}**:18 mΩ – 680 mΩ		2010 – 4020	
L:1 μH – 470 μH **I_R**:0.26 A – 4.47 A **R_{DC}**:18 mΩ – 2.33 Ω		3818 – 4828	
L:56 nH – 1.5 mH **I_R**:80 mA – 8.5 A **R_{DC}**:3.5 mΩ – 9 Ω		2811 – 1038	
L:220 nH – 100 μH **I_R**:0.4 A – 5.3 A **R_{DC}**:12 mΩ – 960 mΩ		4818 – 4838	
L:470 nH – 1.5 mH **I_R**:0.2 A – 23.5 A **R_{DC}**:2.9 mΩ – 5.57 Ω		6033 – 1210	
L:220 nH – 27 μH **I_R**:4.3 A – 19 A **R_{DC}**:1.6 mΩ – 42.5 mΩ		1045 – 1064	
L:1 μH – 2.2 mH **I_R**:0.18 A – 7.4 A **R_{DC}**:4 mΩ – 4.4 Ω		3521 – 1054	

L:1.2 μH – 220 mH **I_R**:0.67 A – 4.85 A **R_{DC}**:8.5 mΩ – 743 mΩ		7850	
L:330 nH – 47 μH **I_R**:0.39 A – 9.6 A **R_{DC}**:7.2 mΩ – 2.3 Ω		1610 – 4030	
L:1 nH – 390 nH **I_R**:0.17 A – 2.3 A **R_{DC}**:10 mΩ – 46 Ω		0402 – 0603	
L:470 nH – 47 μH **I_R**:45 A – 0.5 A **R_{DC}**:15 mΩ – 45 Ω		0805 – 1008	
L:1 nH – 470 nH **I_R**:0.1 A – 0.6 A **R_{DC}**:8 mΩ – 20 Ω		0201 – 0603	

Single Coil Power Inductors

PARAMETER	EXAMPLE DIAGRAM AND ENCAPSULATION		
L:130 nH – 82 μH **I_R**:3.5 A – 41.5 A **R_{DC}**:350 μΩ – 34.5 mΩ		5040 – 2212	
L:220 nH – 10 μH **I_R**:4.4 A – 27 A **R_{DC}**:1.1 mΩ – 41 mΩ		8070 – 1210	
L:700 nH – 47 μH **I_R**:12 A – 36 A **R_{DC}**:830 μΩ – 12.2 mΩ		2013 – 2818	
L:72 nH – 470 nH **I_R**:24 A – 47.5 A **R_{DC}**:155 μΩ – 370 μΩ		7050 – 1390	
L:180 nH – 22 μH **I_R**:5 A – 20 A **R_{DC}**:1.32 mΩ – 26.5 mΩ		6030 – 1510	
L:100 nH – 100 μH **I_R**:1 A – 32.5 A **R_{DC}**:600 μΩ – 0.5 Ω		4012 – 1365	

Dual Coil Power Inductors

PARAMETER	EXAMPLE DIAGRAM AND ENCAPSULATION		
C:7 µH – 70 mH **U_I:**1.5 A – 1.9 A **U_R:** 95 mΩ – 0.24 Ω		5838	
L:0.33 µH – 22 µH **I_R:**0.7 A – 4.5 A **R_{DC}:**14.5 mΩ – 0.805 Ω		8018 – 8038	
L:0.22 µH – 100 µH **I_R:**0.35 A – 5.5 A **R_{DC}:**19 mΩ – 2.36 Ω		4818 – 5838	
L:1.3 µH – 470 µH **I_R:**0.3 A – 8.6 A **R_{DC}:**15 mΩ – 1.73 Ω		7332 – 1210	
L:91 nH – 100 µH **I_R:**1.1 A – 14.5 A **R_{DC}:**3.5 mΩ – 290 mΩ		SH 23 x 18.5 x 11.5	
L:0.3 µH – 15 µH **I_R:**10.5 A – 48 A **R_{DC}:**1.3 mΩ – 16.5 mΩ		1310 – 1813	

Thank you for your hard work.
Welcome to contact us for more detailed technical information.
Thank you for your choice.