
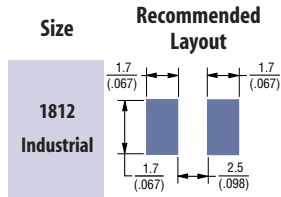
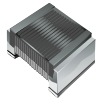


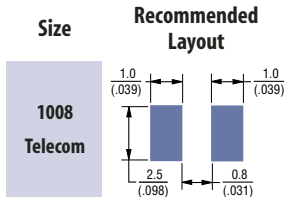

# Bourns® Chip Inductors - Wirewound and Laser-cut



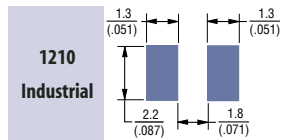

Model	Technology	Description
<b>CM453232</b>	<b>Wirewound</b>	Size: 4.5 x 3.2 x 3.2 mm; Quantity: 500 pcs./reel
	<b>Ferrite</b>	Inductance Range: 100 nH to 1 mH; ±10 % Tolerance
	<b>Sealed</b>	Q-Factor: 30-50
	<b>PREFERRED</b>	Industrial type with SRF of 2.5 to 300 MHz

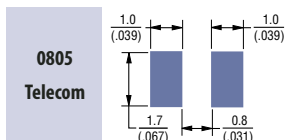

Model	Technology	Description
<b>CW252016</b>	<b>Wirewound</b>	Size: 2.5 x 2.0 x 1.6 mm; Quantity: 2000 pcs./reel
	<b>Ceramic</b>	Inductance Range: 3.3 nH to 4.7 µH; ±5 % Tolerance
	<b>Open</b>	Q-Factor: 25-60
		Telecom type with SRF of 90 to 6000 MHz

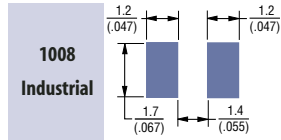

Model	Technology	Description
<b>CM322522</b>	<b>Wirewound</b>	Size: 3.2 x 2.5 x 2.2 mm; Quantity: 2000 pcs./reel
	<b>Ferrite</b>	Inductance Range: 47 nH to 220 µH; ±10 % Tolerance
	<b>Sealed</b>	Q-Factor: 10-30
	<b>PREFERRED</b>	Industrial type with SRF of 2.5 to 300 MHz

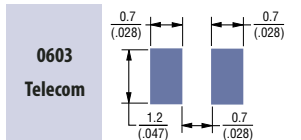

Model	Technology	Description
<b>CW201212</b>	<b>Wirewound</b>	Size: 2.0 x 1.2 x 1.2 mm; Quantity: 2000 pcs./reel
	<b>Ceramic</b>	Inductance Range: 2.2 nH to 910 nH; ±5 % Tolerance
	<b>Open</b>	Q-Factor: 45-60
	<b>PREFERRED</b>	Telecom type with SRF of 650 to 6000 MHz

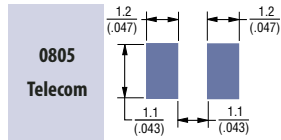
Model	Technology	Description
<b>CM252016</b>	<b>Wirewound</b>	Size: 2.5 x 2.0 x 1.6 mm; Quantity: 2000 pcs./reel
	<b>Ferrite</b>	Inductance Range: 10 nH to 100 µH; ±10 % Tolerance
	<b>Sealed</b>	Q-Factor: 10-25
	<b>PREFERRED</b>	Industrial type with SRF of 12 to 2500 MHz

Model	Technology	Description
<b>CW160808</b>	<b>Wirewound</b>	Size: 1.65 x 1.05 x 1.0 mm; Quantity: 3000 pcs./reel
	<b>Ceramic</b>	Inductance Range: 1.8 nH to 270 nH; ±5 % Tolerance
	<b>Sealed</b>	Q-Factor: 16-35
	<b>PREFERRED</b>	Telecom type with SRF of 650 to 6000 MHz

Model	Technology	Description
<b>CM201212</b>	<b>Wirewound</b>	Size: 2.0 x 1.2 x 1.2 mm; Quantity: 3000 pcs./reel
	<b>Ferrite/Ceramic</b>	Inductance Range: 10 nH to 1 µH; ±10 % Tolerance
	<b>Sealed</b>	Q-Factor: 8-15
		Telecom type with SRF of 80 to 6000 MHz




### Operating Temperature:

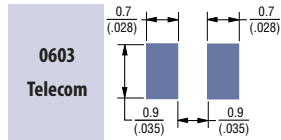

CM Series -25 °C to +100 °C  
 CW Series -40 °C to +125 °C

### Resistance to Soldering Heat:

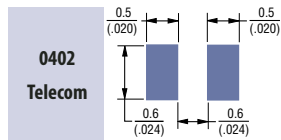
260 °C for 5 seconds



Model	Technology	Description
<b>CM160808</b>	<b>Laser-cut Copper</b>	Size: 1.6 x 0.8 x 0.8 mm; Quantity: 3000 pcs./reel
	<b>Ceramic</b>	Inductance Range: 1.5 nH to 100 nH; ±5 % Tolerance
	<b>Sealed</b>	Q-Factor: 8-12
		Telecom type with SRF of 1300 to 6000 MHz

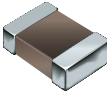
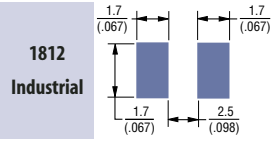

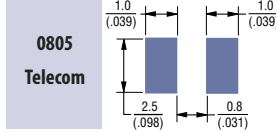
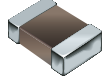
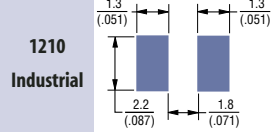

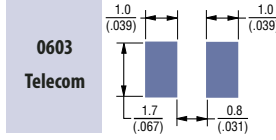
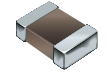
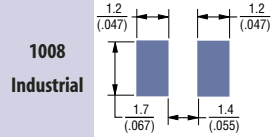

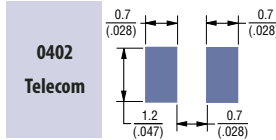

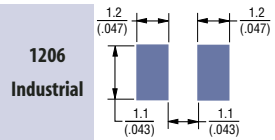

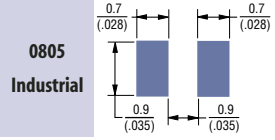

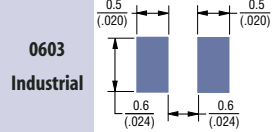




Model	Technology	Description
<b>CM100505</b>	<b>Laser-cut Copper</b>	Size: 1.0 x 0.5 x 0.5 mm; Quantity: 10,000 pcs./reel
	<b>Ceramic</b>	Inductance Range: 1.0 nH to 100 nH; ±5 % Tolerance
	<b>Sealed</b>	Q-Factor: 8
		Telecom type with SRF of 1800 to 6000 MHz



Reliable Electronic Solutions

# Bourns® Chip Inductors - Multi-layer, Ceramic and Ferrite

Model	Technology	Description	Size	Recommended Layout	Model	Technology	Description	Size	Recommended Layout
 <b>CF453215</b>	Multi-layer Ferrite Paste Sealed Shielded	Size: 4.5 x 3.2 x 1.5 mm; Quantity: 1000 pcs./reel Inductance Range: 100 nH to 33 µH; ±10 % Tolerance Q-Factor: 35-50 Industrial type with SRF of 11 to 300 MHz	<b>1812 Industrial</b>		 <b>CI201210</b>	Multi-layer Ceramic Paste Sealed PREFERRED	Size: 2.0 x 1.2 x 1.0 mm; Quantity: 3000 pcs./reel Inductance Range: 1.0 nH to 470 nH; ±5 % Tolerance Q-Factor: 10-15 Telecom type with SRF of 300 to 6000 MHz	<b>0805 Telecom</b>	
 <b>CF322513</b>	Multi-layer Ferrite Paste Sealed Shielded	Size: 3.2 x 2.5 x 1.3 mm; Quantity: 2500 pcs./reel Inductance Range: 120 nH to 33 µH; ±10 % Tolerance Q-Factor: 30 Industrial type with SRF of 17 to 500 MHz	<b>1210 Industrial</b>		 <b>CI160808</b>	Multi-layer Ceramic Paste Sealed PREFERRED	Size: 1.6 x 0.8 x 0.8 mm; Quantity: 4000 pcs./reel Inductance Range: 1.0 nH to 270 nH; ±5 % Tolerance Q-Factor: 8-10 Telecom type with SRF of 450 to 6000 MHz	<b>0603 Telecom</b>	
 <b>CF252016</b>	Multi-layer Ferrite Paste Sealed Shielded	Size: 2.5 x 2.0 x 1.6 mm; Quantity: 2000 pcs./reel Inductance Range: 100 nH to 33 µH; ±10 % Tolerance Q-Factor: 25-30 Industrial type with SRF of 17 to 680 MHz	<b>1008 Industrial</b>		 <b>CI100505</b>	Multi-layer Ceramic Paste Sealed PREFERRED	Size: 1.0 x 0.5 x 0.5 mm; Quantity: 10000 pcs./reel Inductance Range: 1.0 nH to 100 nH; ±5 % Tolerance Q-Factor: 8 Telecom type with SRF of 800 to 6000 MHz	<b>0402 Telecom</b>	
 <b>CS321613</b>	Multi-layer Ferrite Paste Sealed Shielded	Size: 3.2 x 1.6 x 1.3 mm; Quantity: 3000 pcs./reel Inductance Range: 47 nH to 33 µH; ±10 % Tolerance Q-Factor: 45-80 Industrial type with SRF of 18 to 400 MHz	<b>1206 Industrial</b>		<b>Operating Temperature:</b> -55 °C to +125 °C  <b>Resistance to Soldering Heat:</b> CF Series 260 °C for 5 seconds CS & CI Series 260 °C for 10 seconds				
 <b>CS201212</b>	Multi-layer Ferrite Paste Sealed Shielded	Size: 2.0 x 1.2 x 1.2 mm; Quantity: 3000 pcs./reel Inductance Range: 47 nH to 33 nH; ±10 % Tolerance Q-Factor: 40-80 Industrial type with SRF of 18 to 400 MHz	<b>0805 Industrial</b>						
 <b>CS160808</b>	Multi-layer Ferrite Paste Sealed Shielded	Size: 1.6 x 0.8 x 0.8 mm; Quantity: 4000 pcs./reel Inductance Range: 27 nH to 2.7 µH; ±10 % Tolerance Q-Factor: 10-50 Industrial type with SRF of 55 to 350 MHz	<b>0603 Industrial</b>		 <b>Reliable Electronic Solutions</b>  <b>Asia-Pacific</b> TEL: +886 2 25624117 • FAX: +886 2 25624116 <b>Europe</b> TEL: +41 (0)41 768 5555 • FAX: +41 (0)41 768 5510 <b>North America</b> TEL: +1-909-781-5500 • FAX: +1-909-781-5006 TEL: +1-951-781-5500 • FAX: +1-951-781-5006 (after 7/17/04)				

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[CF453215-5R6K](#) [CF322513-4R7K](#) [CF252016-R12K](#) [CF322513-2R2K](#) [CF322513-R82K](#) [CF453215-3R9K](#)  
[CF252016-4R7K](#) [CF453215-1R8K](#) [CF453215-R10K](#) [CF252016-3R9K](#) [CF322513-1R8K](#) [CF252016-R33K](#)  
[CF252016-R27K](#) [CF322513-3R9K](#) [CF322513-R39K](#) [CF322513-3R3K](#) [CF322513-R56K](#) [CF453215-R18K](#)  
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