



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

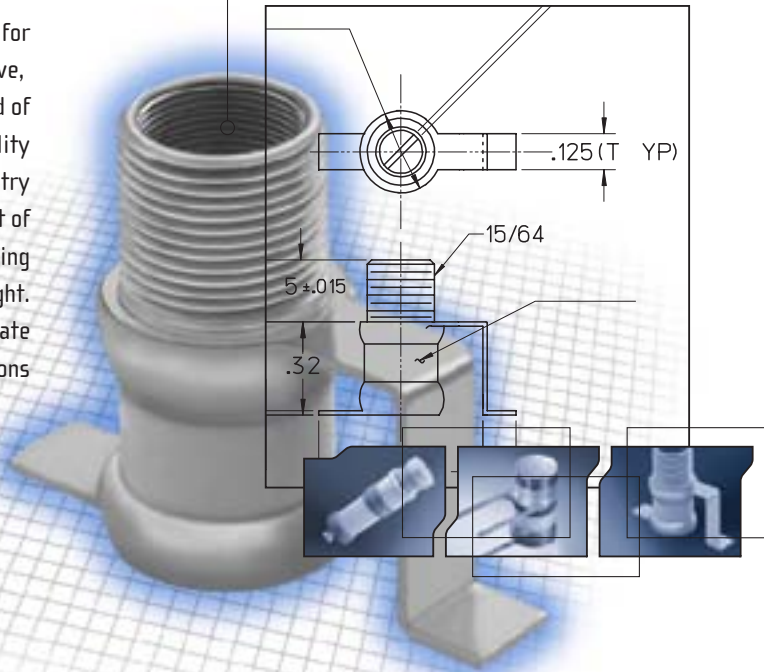
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



AIR CAPACITORS

Air Capacitors are designed specifically for RF applications, VHF through microwave, and have become the industry standard of excellence. High Q and temperature stability are a result of proper attention to geometry and choice of optimum materials. The heart of this trimmer is the one piece self-locking constant drive mechanism illustrated to the right. This mechanism utilizes transverse slots to create a spring effect between two threaded sections resulting in substantial contact areas which insure uniform torque, high Q and low dynamic tuning noise.



APPLICATIONS

- RF amplifier and oscillators
- Impedance matching
- Interstage coupling
- Filter tuning
- Crystal trimming

CHARACTERISTICS

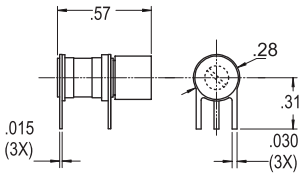
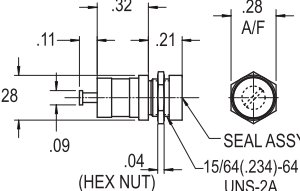
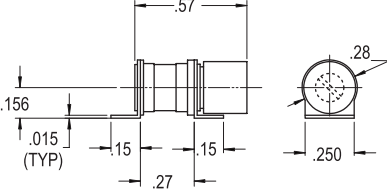
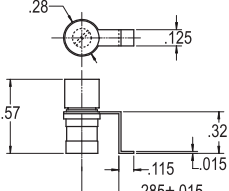
- Working Voltage: 250 VDC (500 VDC Test)
- Long Rotational life
- Insulation resistance: > 10⁶ MΩ
- Temperature range: -65°C to +125°C
- RoHS Compliant

CAPACITANCE RANGE	SERIES	Q @ 250 MHZ	PAGE
0.35 TO 3.5 pF	5800	> 10000	2
0.5 TO 5 pF	5850	> 7500	2
0.6 TO 6 pF	5700	> 10000	2,3
0.8 TO 10 pF OR 1 TO 10 pF	1500	> 4000 @195MHz	2
	5200	> 5000	3
	5750	> 7500	3
	5300	> 2000	4
1 TO 14 pF	5400	> 3000	3,4
1 TO 16 pF	5450	> 3000	4
1 TO 20 pF	5500	> 1500	4
1 TO 30 pF	5600	> 800	4



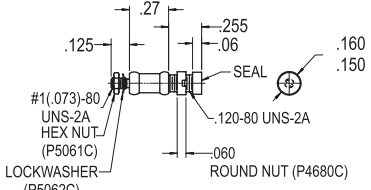
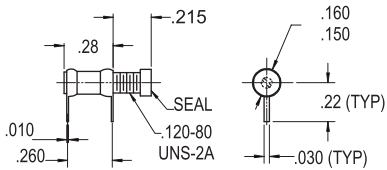
1 TO 10 pF

- Lead-Solderless design
- Capacitance Range: 1.0 to 10.0 pF (>8 turns)
- Working Voltage: 250 VDC (500 VDC Test)
- Torque: 1 to 5.0 oz. In.
- Tuning Tool: 8764
- RoHS Compliant

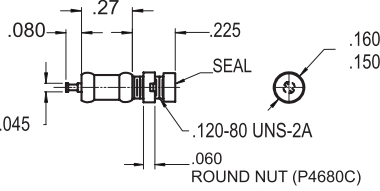
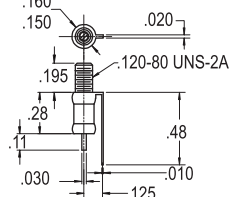
<p>1501</p> <p>Q @ 195 MHz >4000</p>	
<p>1502</p> <p>Q @ 195 MHz >4000</p>	
<p>1518</p> <p>Q @ 195 MHz >4000</p>	
<p>1585</p> <p>Q @ 195 MHz >4000</p>	

0.35 TO 3.5 pF

- Capacitance Range: .35 to 3.5 pF (>9 turns)
- Working Voltage: 250 VDC (500 VDC Test)
- Torque: .3 to 3 oz. In.
- Tuning Tool: 8766
- RoHS Compliant

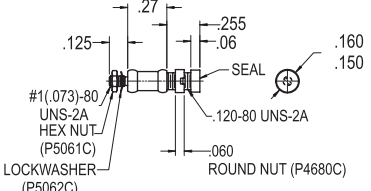
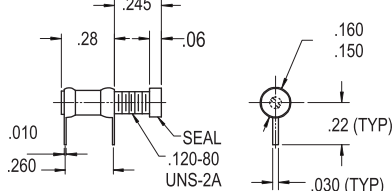
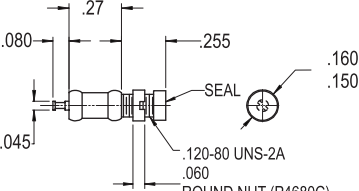
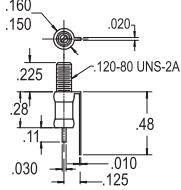
<p>5800</p> <p>Q @ 100 MHz >10000</p>	
<p>5801</p> <p>Q @ 100 MHz >10000</p>	

0.35 TO 3.5 pF

<p>5802</p> <p>Q @ 100 MHz >10000</p>	
<p>8051</p> <p>(0.6 to 3.5 pF) Q @ 100 MHz >10000</p>	

0.5 TO 5 pF

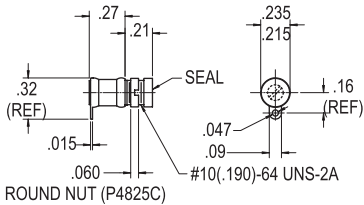
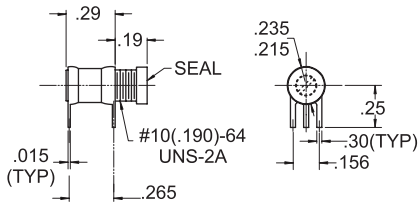
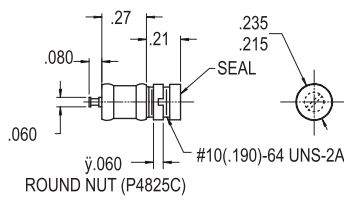
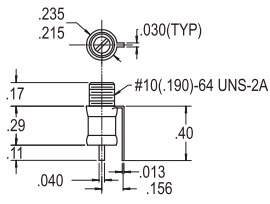
- Capacitance Range: .5 to 5 pF (>12 turns)
- Working Voltage: 250 VDC (500 VDC Test)
- Torque: .3 to 3 oz. In.
- Tuning Tool: 8764
- RoHS Compliant

<p>5850</p> <p>Q @ 100 MHz >7500</p>	
<p>5851</p> <p>Q @ 100 MHz >7500</p>	
<p>5852</p> <p>Q @ 100 MHz >7500</p>	
<p>5853</p> <p>(0.6 to 5 pF) Q @ 100 MHz >7500</p>	

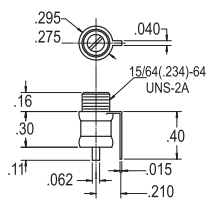
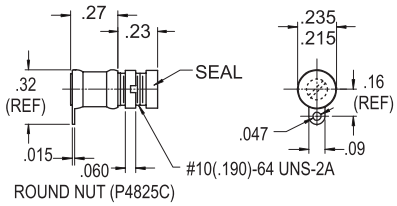
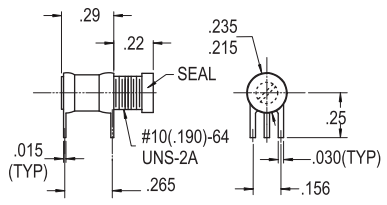
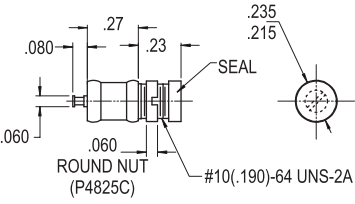
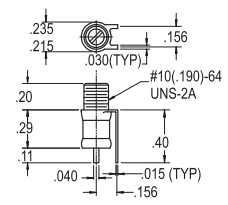
0.6 TO 6 pF

- Capacitance Range: .6 to 6 pF (>7 turns)
- Working Voltage: 250 VDC (500 VDC Test)
- Torque: .4 to 4 oz. In.
- Tuning Tool: 8764
- RoHS Compliant

0.6 TO 6 pF

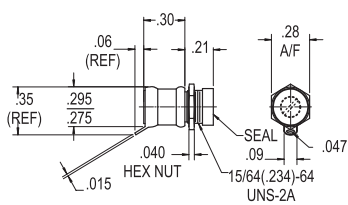
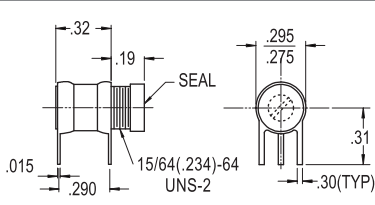
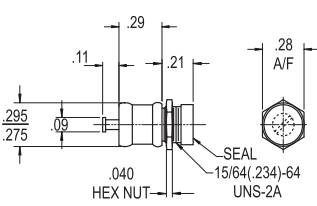
<p>5700</p> <p>Q @ 100 MHz >10000</p>	
<p>5701</p> <p>Q @ 100 MHz >10000</p>	
<p>5702</p> <p>Q @ 100 MHz >10000</p>	
<p>8050</p> <p>Q @ 100 MHz >10000</p>	

0.8 TO 10 pF

<p>8052</p> <p>Q @ 100 MHz >5000</p>	
<p>5750</p> <p>Q @ 100 MHz >7500</p>	
<p>5751</p> <p>Q @ 100 MHz >7500</p>	
<p>5752</p> <p>Q @ 100 MHz >7500</p>	
<p>5753</p> <p>(0.6 to 5 pF) Q @ 100 MHz >7500</p>	

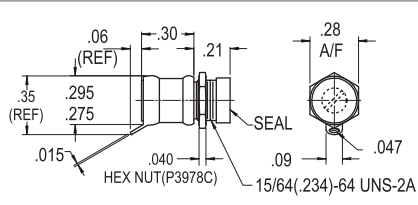
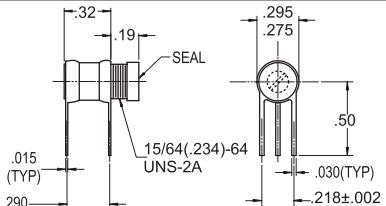
0.8 TO 10 pF

- Capacitance Range: .8 to 10 pF (>6 turns)
- Working Voltage: 250 VDC (500 VDC Test)
- Torque: 1 to 5 oz. In. (52XX) or .4 to 4 oz. In. (575X)
- Tuning Tool: 8764
- RoHS Compliant

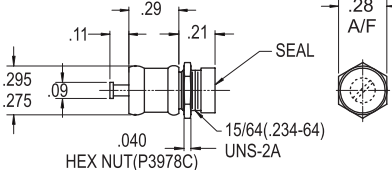
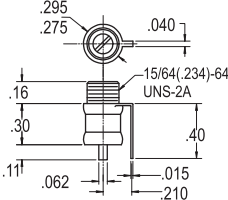
<p>5200</p> <p>Q @ 100 MHz >5000</p>	
<p>5201</p> <p>Q @ 100 MHz >5000</p>	
<p>5202</p> <p>Q @ 100 MHz >5000</p>	

1 TO 14 pF

- Capacitance Range: 1 to 14 pF (>6 turns)
- Working Voltage: 250 VDC (500 VDC Test)
- Torque: 1 to 5.0 oz. In.
- Tuning Tool: 8764
- RoHS Compliant

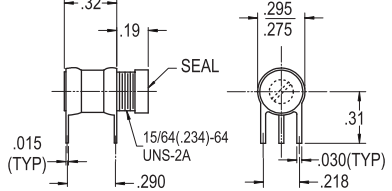
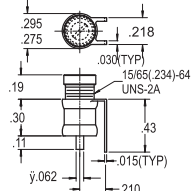
<p>5400</p> <p>Q @ 100 MHz >3000</p>	
<p>5401</p> <p>Q @ 100 MHz >3000</p>	

1 TO 14 pF

<p>5402</p> <p>Q @ 100 MHz >3000</p>	
<p>8053</p> <p>(1.5 to 14 pF)</p> <p>Q @ 100 MHz >1500</p>	

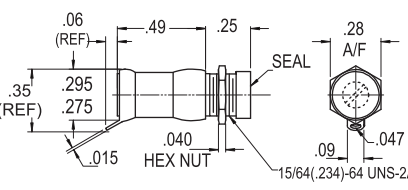
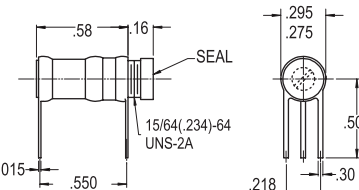
1 TO 16 pF

- Capacitance Range: 1 to 16 pF (>6 turns)
- Working Voltage: 250 VDC (500 VDC Test)
- Torque: 1 to 5 oz. In.
- Tuning Tool: 8764
- RoHS Compliant

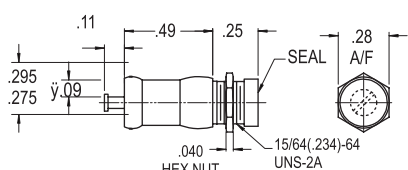
<p>5451</p> <p>Q @ 100 MHz >3000</p>	
<p>5453</p> <p>Q @ 100 MHz >3000</p>	

1 TO 20 pF

- Capacitance Range: 1 to 20 pF (>12 turns)
- Working Voltage: 250 VDC (500 VDC Test)
- Torque: 1 to 5 oz. In.
- Tuning Tool: 8764
- RoHS Compliant

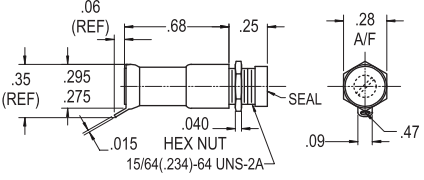
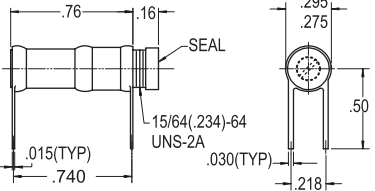
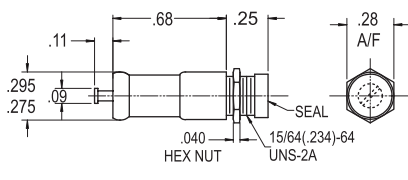
<p>5500</p> <p>Q @ 100 MHz >1500</p>	
<p>5501</p> <p>Q @ 100 MHz >1500</p>	

1 TO 20 pF

<p>5502</p> <p>Q @ 100 MHz >1500</p>	
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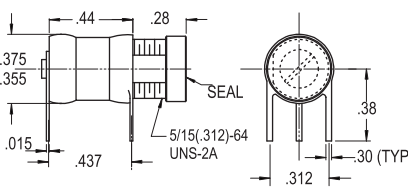
1 TO 30 pF

- Capacitance Range: 1.0 to 10.0 pF (>20 turns)
- Working Voltage: 250 VDC (500 VDC Test)
- Torque: 1 to 5.0 oz. In.
- Tuning Tool: 8764
- RoHS Compliant

<p>5600</p> <p>Q @ 100 MHz >800</p>	
<p>5601</p> <p>Q @ 100 MHz >800</p>	
<p>5602</p> <p>Q @ 100 MHz >800</p>	

1 TO 10 pF (500 VDC)

- Capacitance Range: 1.0 to 10.0 pF (>10 turns)
- Working Voltage: 500 VDC (1000 VDC Test)
- Torque: 1 to 5.0 oz. In.
- Tuning Tool: 8764
- RoHS Compliant

<p>5301</p> <p>Q @ 100 MHz >2000</p>	
<p>5302</p> <p>Q @ 100 MHz >2000</p>	