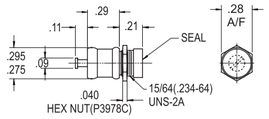
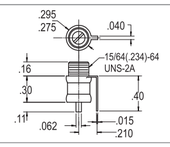
1 TO 14 pF

5402
Q @ 100 MHz
>3000



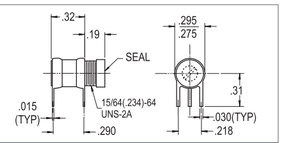
8053
(1.5 to 14 pF)
Q @ 100 MHz
>1500



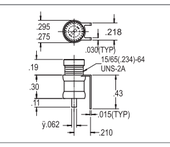
1 TO 16 pF

- 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

5451
Q @ 100 MHz
>3000



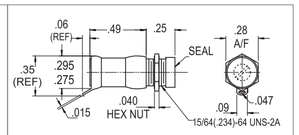
5453
Q @ 100 MHz
>3000



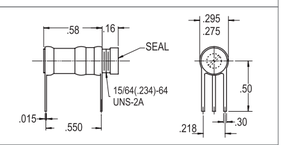
1 TO 20 pF

- 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

5500
Q @ 100 MHz
>1500

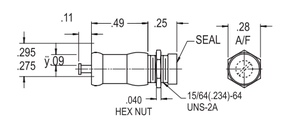


5501
Q @ 100 MHz
>1500



1 TO 20 pF

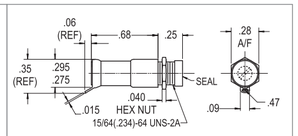
5502
Q @ 100 MHz
>1500



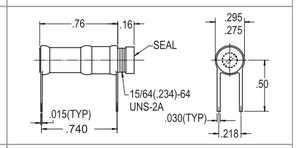
1 TO 30 pF

- 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

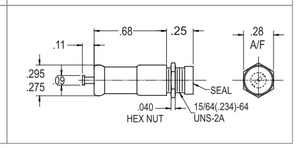
5600
Q @ 100 MHz
>800



5601
Q @ 100 MHz
>800



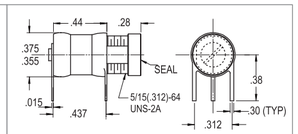
5602
Q @ 100 MHz
>800



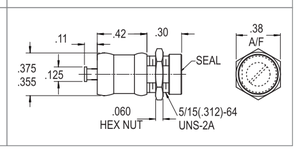
1 TO 10 pF (500 VDC)

- 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

5301
Q @ 100 MHz
>2000

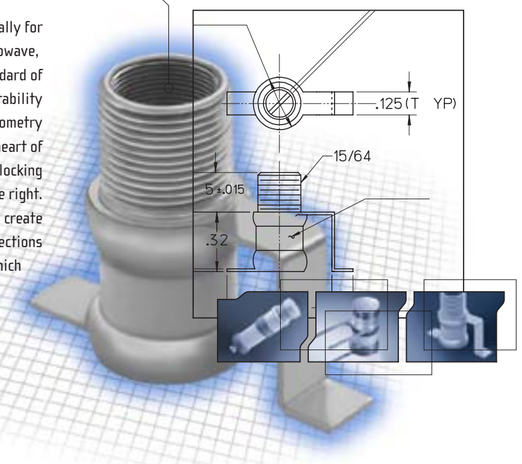


5302
Q @ 100 MHz
>2000



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: > 10^6 MΩ
- Temperature range: -65°C to +125°C
- RoHS Compliant

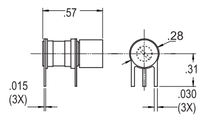
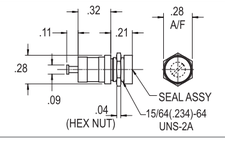
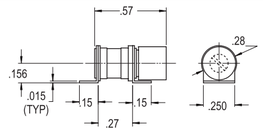
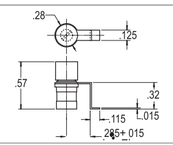
CAPACITANCE RANGE	SERIES	Q @ 250 MHz	PAGE
0.35 TO 3.5 pF	5800	> 10000	2
0.5 TO 5 pF	5850	> 7500	2
0.6 TO 6 pF	5700	> 10000	2,3
0.8 TO 10 pF OR 1 TO 10 pF	1500	> 4000 @195MHz	2
	5200	> 5000	3
	5750	> 7500	3
	5300	> 2000	4
1 TO 14 pF	5400	> 3000	3,4
1 TO 16 pF	5450	> 3000	4
1 TO 20 pF	5500	> 1500	4
1 TO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

Johanson Manufacturing Corporation • 301 Rockaway Valley Road, Boonton, New Jersey 07005 • Phone 973.334.2676 • Fax 973.334.2954

AIR CAPACITORS

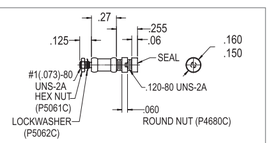
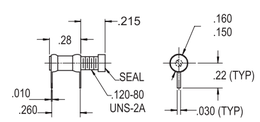
1 to 10 pF

- 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

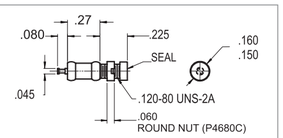
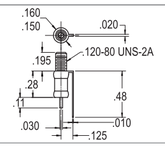
1501 Q @ 195 MHz >4000	
1502 Q @ 195 MHz >4000	
1518 Q @ 195 MHz >4000	
1585 Q @ 195 MHz >4000	

0.35 to 3.5pF

- 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

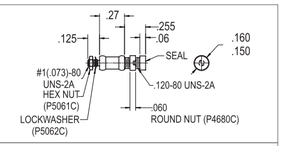
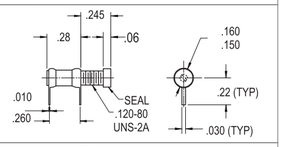
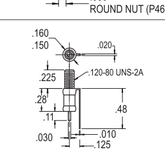
5800 Q @ 100 MHz >10000	
5801 Q @ 100 MHz >10000	

0.35 to 3.5pF

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

0.5 to 5 pF

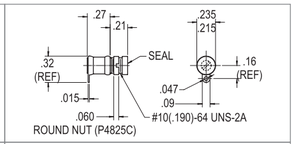
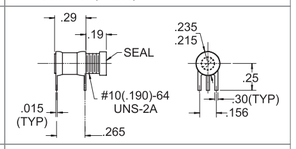
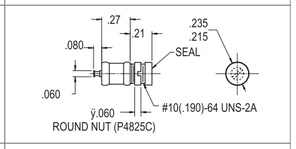
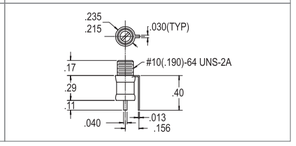
- Capacitance Range: .5 to 5 pF (>12 turns)
- Working Voltage: 250 VDC (500 VDC Test)
- Torque: .3 to 3 oz. In.
- Tuning Tool: 8764
- RoHS Compliant

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

0.6 to 6 pF

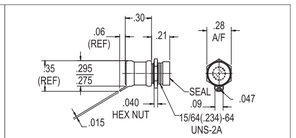
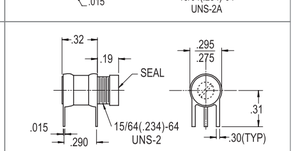
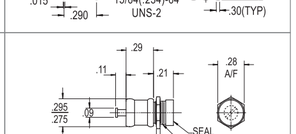
- Capacitance Range: .6 to 6 pF (>7 turns)
- Working Voltage: 250 VDC (500 VDC Test)
- Torque: .4 to 4 oz. In.
- Tuning Tool: 8764
- RoHS Compliant

0.6 to 6 pF

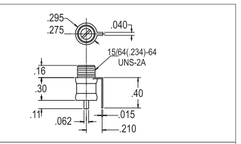
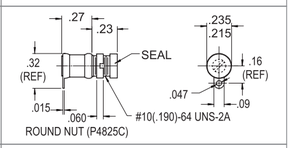
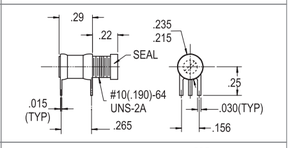
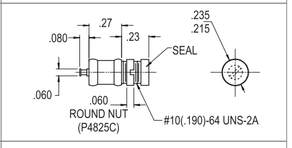
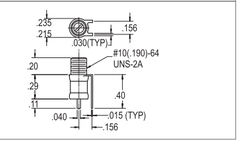
5700 Q @ 100 MHz >10000	
5701 Q @ 100 MHz >10000	
5702 Q @ 100 MHz >10000	
8050 Q @ 100 MHz >10000	

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

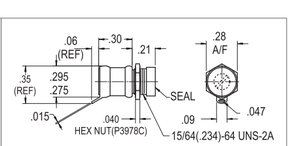
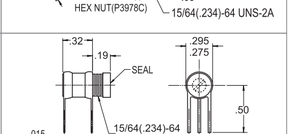
5200 Q @ 100 MHz >5000	
5201 Q @ 100 MHz >5000	
5202 Q @ 100 MHz >5000	

0.8 to 10 pF

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

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

5400 Q @ 100 MHz >3000	
5401 Q @ 100 MHz >3000	

Johanson

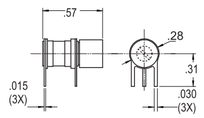
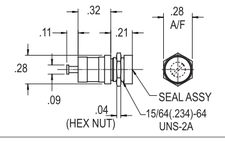
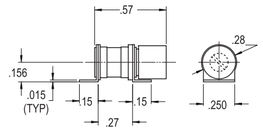
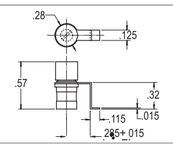
RAD STUDIO

Client	Johanson Manufacturing Corp.	**Element**	Tab Sheet 3: Air Capacitors IN
Project	Tab Sell Sheets with product specs	**Specs**	Black, PMS 2925 Blue, PMS 877 metallic silver
Job Number	JOH.12	**Version**	v5
Prepared by	Rad		
Date	5.31.2006		

AIR CAPACITORS

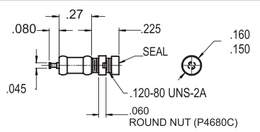
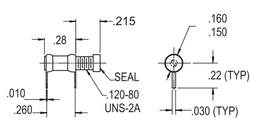
1 to 10 pF

- 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

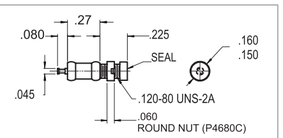
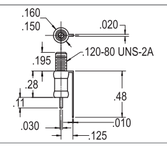
1501 Q @ 195 MHz >4000	
1502 Q @ 195 MHz >4000	
1518 Q @ 195 MHz >4000	
1585 Q @ 195 MHz >4000	

0.35 to 3.5pF

- 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

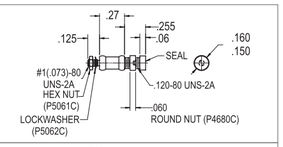
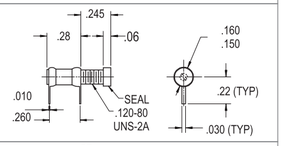
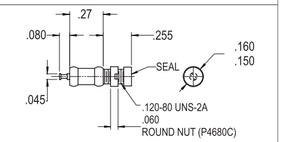
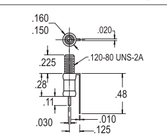
5800 Q @ 100 MHz >10000	
5801 Q @ 100 MHz >10000	

0.35 to 3.5pF

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

0.5 to 5 pF

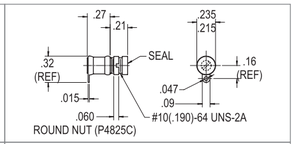
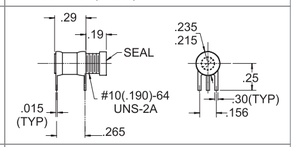
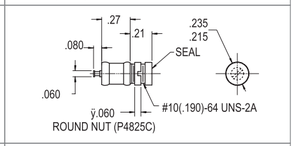
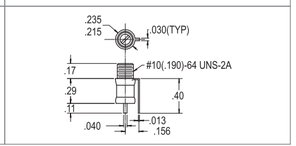
- Capacitance Range: .5 to 5 pF (>12 turns)
- Working Voltage: 250 VDC (500 VDC Test)
- Torque: .3 to 3 oz. In.
- Tuning Tool: 8764
- RoHS Compliant

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

0.6 to 6 pF

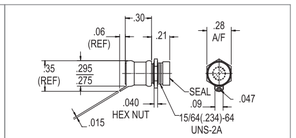
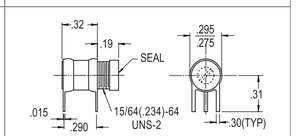
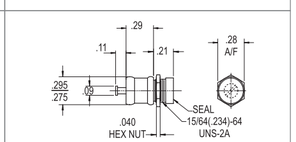
- Capacitance Range: .6 to 6 pF (>7 turns)
- Working Voltage: 250 VDC (500 VDC Test)
- Torque: .4 to 4 oz. In.
- Tuning Tool: 8764
- RoHS Compliant

0.6 to 6 pF

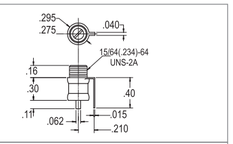
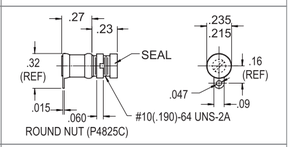
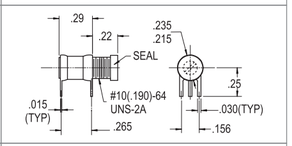
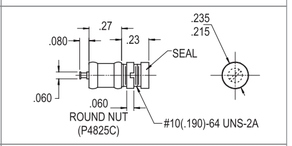
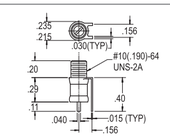
5700 Q @ 100 MHz >10000	
5701 Q @ 100 MHz >10000	
5702 Q @ 100 MHz >10000	
8050 Q @ 100 MHz >10000	

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

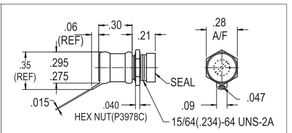
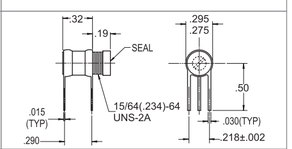
5200 Q @ 100 MHz >5000	
5201 Q @ 100 MHz >5000	
5202 Q @ 100 MHz >5000	

0.8 to 10 pF

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

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

5400 Q @ 100 MHz >3000	
5401 Q @ 100 MHz >3000	

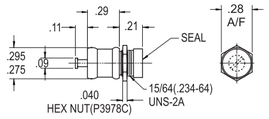
Johanson

RAD STUDIO

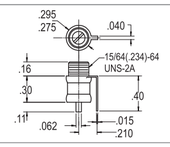
Client	Johanson Manufacturing Corp.	**Element**	Tab Sheet 3: Air Capacitors IN
Project	Tab Sell Sheets with product specs	**Specs**	Black, PMS 2925 Blue, PMS 877 metallic silver
Job Number	JOH.12	**Version**	v5
Prepared by	Rad		
Date	5.31.2006		

1 TO 14 pF

5402
Q @ 100 MHz
>3000



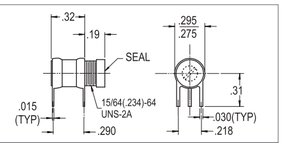
8053
(1.5 to 14 pF)
Q @ 100 MHz
>1500



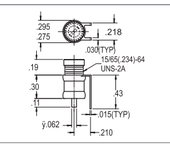
1 TO 16 pF

- 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

5451
Q @ 100 MHz
>3000



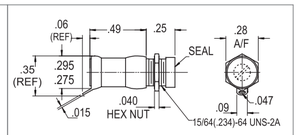
5453
Q @ 100 MHz
>3000



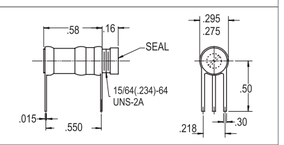
1 TO 20 pF

- 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

5500
Q @ 100 MHz
>1500

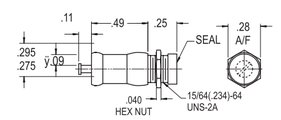


5501
Q @ 100 MHz
>1500



1 TO 20 pF

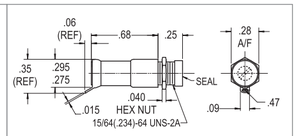
5502
Q @ 100 MHz
>1500



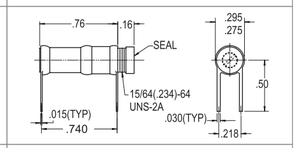
1 TO 30 pF

- 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

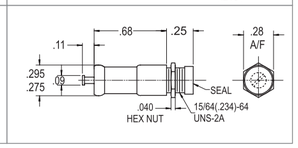
5600
Q @ 100 MHz
>800



5601
Q @ 100 MHz
>800



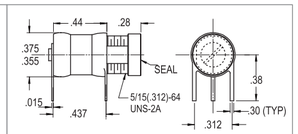
5602
Q @ 100 MHz
>800



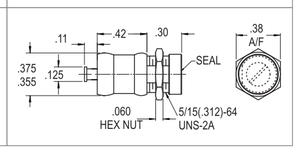
1 TO 10 pF (500 VDC)

- 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

5301
Q @ 100 MHz
>2000

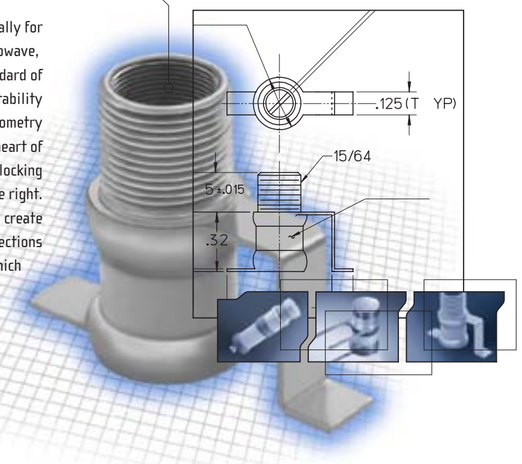


5302
Q @ 100 MHz
>2000



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: > 10^6 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

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