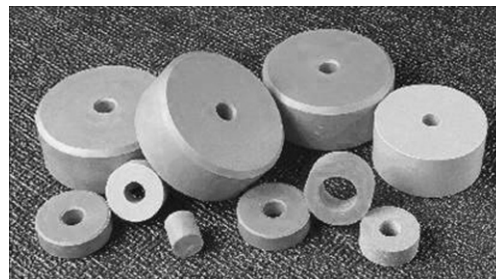


## 介质产品

### 介质谐振器

#### CERAMIC RESONATOR

##### Co-axial DR Series



Various Size & Wide Frequency: 200MHz~6GHz

Wavelength:  $\lambda/2$ ,  $\lambda/4$

Model: S025, S03, S04, S05, S06, S10 (S025 without lead terminal)

Special Impedance: Adapt to customer's requirement.

Freely Customer Design: Sample Provided In 2WKS

Excellent Temperature Stability: Operation temperature  $-45^{\circ}\text{C}\sim 85^{\circ}\text{C}$

##### TE01 $\delta$ Mode JDR Series

Various Size & Wide Frequency: 200MHz~6GHz

High Q Value Easy to Control  $\tau f$  Tight  $\tau f$  Tolerance

Compositions with Various Dielectric Constants

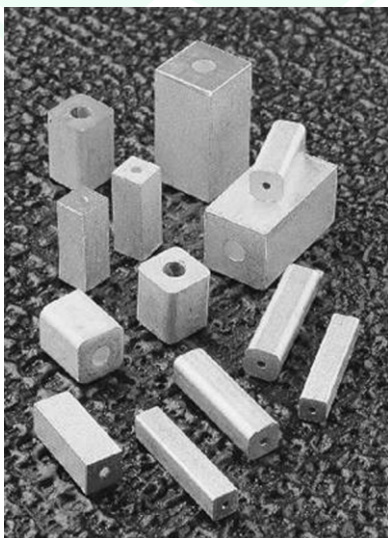
Freely Customer Design: Sample Provided In 2WKS

Excellent Temperature Stability: Operation temperature  $-45^{\circ}\text{C}\sim 85^{\circ}\text{C}$

Model	Resonance type	Center Freq (MHz)	Tunning Range (MHz) ※	Dielectr ic Constant ( $\epsilon_r$ )	Q Value1 (Q <sub>L</sub> )	Q Value 2 (Q <sub>u</sub> )	Temp. Coeff. Tolerance ( $\tau_f$ )	Water Absorp -tion (%)	Support Composi -tion
RTJDR90C 455C10B	TE01 $\delta$ mode	455.225 $\pm$ 1.0	454.595 ~455.855	90 $\pm$ 1.5	Min. 6,500	Min. 7,000	0 $\pm$ 1.0 ppm/ $^{\circ}\text{C}$	Max. 0.01	Al <sub>2</sub> O <sub>3</sub> (Er:9.4~ 9.8)
RTJDR45C 877D10A	TE01 $\delta$ mode	877.0 $\pm$ 0.5	874.0 ~880.0	45 $\pm$ 1.5	Min. 15,500	Min. 16,000	-3.0 $\pm$ 1.0 ppm/ $^{\circ}\text{C}$	Max. 0.01	Al <sub>2</sub> O <sub>3</sub> (Er:9.4~ 9.8)
RTJDR45C 883D10A	TE01 $\delta$ mode	883.0 $\pm$ 0.5	869.0 ~894.0	45 $\pm$ 1.5	Min. 15,500	Min. 16,000	-3.0 $\pm$ 1.0 ppm/ $^{\circ}\text{C}$	Max. 0.01	Al <sub>2</sub> O <sub>3</sub> (Er:9.4~ 9.8)
RTJDR45C 887D10A	TE01 $\delta$ mode	887.0 $\pm$ 0.5	884.0 ~890.0	45 $\pm$ 1.5	Min. 15,500	Min. 16,000	-3.0 $\pm$ 1.0 ppm/ $^{\circ}\text{C}$	Max. 0.01	Al <sub>2</sub> O <sub>3</sub> (Er:9.4~ 9.8)

RTJDR45C 892D10A	TE01 $\delta$ mode	892.0 $\pm$ 0.5	889.0 ~895.0	45 $\pm$ 1.5	Min. 15,500	Min. 16,000	-3.0 $\pm$ 1.0 ppm/ $^{\circ}$ C	Max. 0.01	Al <sub>2</sub> O <sub>3</sub> (Er:9.4~ 9.8)
RTJDR45C 1907C10A	TE01 $\delta$ mode	1907.5	1902.5 ~1912.5	45 $\pm$ 1.5	Min. 13,000	Min. 16,000	-3.0 $\pm$ 1.0 ppm/ $^{\circ}$ C	Max. 0.01	Al <sub>2</sub> O <sub>3</sub> (Er:9.4~ 9.8)
RTJDR45C 1960C10A	TE01 $\delta$ mode	1960.0	1930.0 ~1990.0	45 $\pm$ 1.5	Min. 6,000	Min. 9,000	-3.0 $\pm$ 1.0 ppm/ $^{\circ}$ C	Max. 0.01	Al <sub>2</sub> O <sub>3</sub> (Er:9.4~ 9.8)
RTJDR45C 1962C10A	TE01 $\delta$ mode	1962.5	1957.5 ~1967.5	45 $\pm$ 1.5	Min. 13,000	Min. 16,000	-3.0 $\pm$ 1.0 ppm/ $^{\circ}$ C	Max. 0.01	Al <sub>2</sub> O <sub>3</sub> (Er:9.4~ 9.8)
RTJDR45C 1967C10A	TE01 $\delta$ mode	1967.5	1962.5 ~1972.5	45 $\pm$ 1.5	Min. 13,000	Min. 16,000	-3.0 $\pm$ 1.0 ppm/ $^{\circ}$ C	Max. 0.01	Al <sub>2</sub> O <sub>3</sub> (Er:9.4~ 9.8)
RTJDR45C 1972C10A	TE01 $\delta$ mode	1972.5	1970.6 ~1974.4	45 $\pm$ 1.5	Min. 13,000	Min. 16,000	-3.0 $\pm$ 1.0 ppm/ $^{\circ}$ C	Max. 0.01	Al <sub>2</sub> O <sub>3</sub> (Er:9.4~ 9.8)
RTJDR90C 1880C10A	TE01 $\delta$ mode	1972.5	1978.0 ~?	45 $\pm$ 1.5	Min. 2,230	Min. 2,500	-3.0 $\pm$ 1.0 ppm/ $^{\circ}$ C	Max. 0.01	Al <sub>2</sub> O <sub>3</sub> (Er:9.4~ 9.8)
RTJDR90C 1960C10A	TE01 $\delta$ mode	1960.0	1958.0 ~?	45 $\pm$ 1.5	Min. 2,130	Min. 2,500	-3.0 $\pm$ 1.0 ppm/ $^{\circ}$ C	Max. 0.01	Al <sub>2</sub> O <sub>3</sub> (Er:9.4~ 9.8)

Tunning Range is depend on Customer' s Request.



## 介质双工器

### CERAMIC DUPLEXERS

### FEATURES:

Various Size & Wide Frequency: 200MHz~6GHz

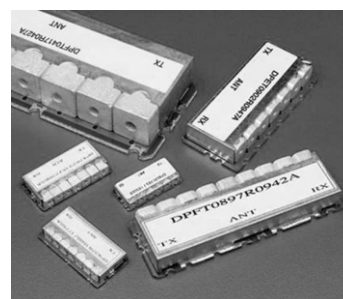
Broad Comparative  $F_0$  Band: 0.2%~60%

Extremely Low Insertion Loss: 1dB (Typ.)

High Uplink to Downlink Insulation: 70dB (Typ.)

Freely Customer Design: Sample Provided In 2WKS

Excellent Temp Stability: Operation temperature  $-45^{\circ}\text{C}\sim 85^{\circ}\text{C}$



### METHOD OF DEFINITION:

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	2	3	4	5	6	7	8	9
1. Parts Type			2. Holes			3. Notch Type		
4. Center Frequency			5. PCB Mount Type			6. Bandwidth		
7. Dimensions			8. Hole Structure			9. Versions		

### POPULAR MODEL:

Model	Center Freq		Pass Band (MHz)	Insertion Loss (db)max	VSWR max	Attenuation dB (MHz)	Dimension (W×L×H)	Application
	Tx	fo (MHz)						
RTAD7C830/875F10HCA	Tx	830.0	$f_0 \pm 5$	2.5	1.5	50(fr±5)	47X119X7	CHINA CDMA
	RX	875.0	$f_0 \pm 5$	2.5	1.5	55(fr±5)	47X119X7	
RTAD9C830/875F10KCA	Tx	830.0	$f_0 \pm 5$	2.8	1.5	55(fr±5)	57X19X7.5	CHINA CDMA
	RX	875.0	$f_0 \pm 5$	2.5	1.5	60(fr±5)	57X19X7.5	
RTAD9C902/947F25HCA	Tx	902.5	$f_0 \pm 12.5$	4.3	1.8	42(fr±12.5)	47X19X7.0	GSM
	RX	947.5	$f_0 \pm 12.5$	3.8	1.8	40(fr±12.5)	47X19X7.0	
RTAD9C902/947F25KCA	Tx	902.5	$f_0 \pm 12.5$	3.1	1.5	44(fr±12.5)	57X19X7.5	GSM
	RX	947.5	$f_0 \pm 12.5$	3.1	1.5	45(fr±12.5)	57X19X7.5	
RTAD9C1950/2140F60HCA	Tx	1950.0	$f_0 \pm 30$	2.6	1.8	48(fr±30)	47X18X7.0	IMT-2000
	RX	2140.0	$f_0 \pm 30$	2.0	1.8	52(fr±30)	47X18X7.0	
RTAD9C1747/1842F75KCA	Tx	1747.5	$f_0 \pm 37.5$	3.8	1.5	25(fr±37.5)	47X18X7.0	DCS
	RX	1842.5	$f_0 \pm 37.5$	3.8	1.5	18(fr±37.5)	47X18X7.0	
RTAD10C1747/1842F75KCA	Tx	1747.5	$f_0 \pm 37.5$	2.5	1.5	30(fr±37.5)	47X18X7.0	DCS
	RX	1842.5	$f_0 \pm 37.5$	2.5	1.5	25(fr±37.5)	47X18X7.0	

介质滤波器

CERAMIC FILTERS

FEATURES:

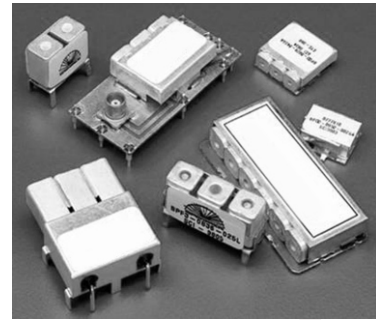
Various Size & Wide Frequency: 200MHz~6GHz

Broad Comparative F<sub>0</sub> Band: 0.2%~60%

Extremely Low Insertion Loss: 0.3dB (Min.) 1dB (Typ.)

Freely Customer Design: Sample Provided In 2WKS

Excellent Temperature Stability: Operation temperature -45°C~85°C



<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	2	3	4	5	6	7	8	9
1. Parts Type			2. Holes			3. Notch Type		
4. Center Frequency			5. PCB Mount Type			6. Bandwidth		
7. Dimensions			8. Hole Structure			9. Versions		

Under 800MHz:

Model	Center Freq (MHz)	Pass Band (MHz)	Insertion Loss (dB) max	Ripple (dB) max	VSWR max	Attenuation dB (MHz)	Dimension (W*L*H)
RSRA330R6R20FA	330.0	fo±10	2.5	1.0	1.5 : 1	40(fo±25)	30.0×38.0×7.5
RSRA340R8R08FA	340.0	fo±4.0	5.0	1.0	1.8 : 1	40(fo±10)	30.0×50.0×7.5
RSRA426R6R40FA	426.0	fo±20	3.5	1.0	1.5 : 1	40(fo±60)	30.0×38.0×7.5
RSRA434R4R03FA	434.5	fo±1.5	2.5	0.5	1.5 : 1	20 (fo-14.5)	24.0×26.0×7.5
RSRA500G4R20FA	500.0	fo±10	3.0	1.0	1.5 : 1	50(fo±80)	13.0×15.4×4.5
RSRA620J5R18FA	620.0	fo±9	3.0	1.0	1.5 : 1	40(fo±80)	17.0×21.6×5.5
RSRP648R10R40FA	648.0	fo±20	2.5	1.0	1.5 : 1	45(fo±70)	18.5×38.0×7.5
RSRP648R10R40FA A	648.0	fo±20	2.5	1.0	1.5 : 1	45(fo±70)	18.5×38.0×7.5

RSRA677R6R32FA	677.5	$f_0 \pm 16.0$	3.0	0.5	1.5: 1	50( $f_0 \pm 49$ )	18.5×38.0×7.5
RSRA690R9R06FA	690.0	$f_0 \pm 3$	8.0	2.0	2.0: 1	45 ( $f_0 \pm 7.5$ )	20.0×56.0×7.5
RSRP720N8R90FA	720.0	$f_0 \pm 45$	2.5	1.0	1.3: 1	60( $f_0 + 140$ )	16.0×33.4×9.0
RSRP720N8R90FA	720.0	$f_0 \pm 45$	2.0	1.0	1.3: 1	35( $f_0 + 140$ )	14.0×26.0×6.5
RSRP720N8R45FA	720.0	$f_0 \pm 22.5$	2.5	1.0	1.3: 1	35( $f_0 + 70$ )	14.0×26.0×6.5
RSRP748R10R40F A	748.0	$f_0 \pm 20$	2.5	1.0	1.5: 1	45( $f_0 \pm 70$ )	18.5×38.0×7.5
RSRP748R10R40F A	748.0	$f_0 \pm 20$	2.5	1.0	1.5: 1	55( $f_0 \pm 70$ )	17.0×42.0×9.5

介质滤波器 800~1200MHz:

Model	Center Freq (MHz)	Pass Band (MHz)	Insertion Loss (dB) max	Ripple (dB) max	VSWR max	Attenuation dB (MHz)	Dimension (W*L*H)	Application
RSRA1005R6R12FA	1005.0	$f_0 \pm 6$	3.5	0.5	1.5: 1	60 ( $f_0 \pm 70$ )	13.0×32.0×6.2	
RSRA1012R6R395F A	1012.5	$f_0 \pm 1$ 97	1.5	1.0	1.5: 1	110( $f_0 + 247.5$ )	18.5×38.0×7.5	
RSRP1013N8R40FA	1013.5	$f_0 \pm 2$ 0.0	4.0	0.4	1.49: 1	20 ( $f_0 \pm 30$ )	16.0×33.4×9.0	5.8G
RSRP1027N8R40FA	1027.5	$f_0 \pm 2$ 0.0	4.0	0.4	1.49: 1	20 ( $f_0 \pm 30$ )	16.0×33.4×9.0	5.8G
RSRA1055J7R250F A	1055.0	$f_0 \pm 1$ 25	2.5	1.0	1.5: 1	140 ( $f_0 - 195$ )	14.5×30.0×5.5	
RSRP1100K4R45FA	1100.0	$f_0 \pm 2$ 2.5	1.5	1.0	1.5: 1	145 ( $f_0 \pm 140$ )	13.0×19.2×7.0	
RSRA1105R6R12FA	1105.0	$f_0 \pm 6$	4.0	0.5	1.5: 1	60 ( $f_0 \pm 70$ )	13.0×32.0×6.2	
RSRP1110R6R20FA	1110.0	$f_0 \pm 1$ 0	3.0	0.8	1.43: 1	50 ( $f_0 \pm 50$ )	10.9×22.5×7.5	
RSRA1120R7R340F A	1120.0	$f_0 \pm 1$ 70	2.5	1.0	1.28: 1	60 ( $f_0 + 730$ )	14.5×38.0×6.2	



RSRA1175R6R110FA	1175.0	fo±5 5	3.0	1.0	1.43: 1	60 (fo±220)	13.0×32.0×6.2	
RSRA1180G4R20FA	1180.0	fo±1 0	2.5	0.5	1.28: 1	65 (fo+140)	13.0×15.4×4.5	
RSRA1199R9R70FA	1199.0	fo±3 5	3.0	1.0	1.5 : 1	45 (fo±60)	20.0×60.0×7.5	
RSRP836H6R25FA	836.5	fo±1 2.5	3.0	1.0	1.43: 1	30 (fo±30)	10.9×22.5×6.0	
RSRP836H6R25FA	836.5	fo±1 2.5	3.0	1.0	1.5 : 1	50 (fo-70)	13.0×12.0×5.0	CDMA
RSRA840G4R50FA	840.0	fo±2 5	3.0	0.4	1.2 : 1	30 (fo±140)	13.0×16.0×4.5	
RSRA840R8R90FA	840.0	fo±4 5	5.0	0.5	1.2 : 1	65 (fo-140)	14.5×42.0×6.5	
RSRA860R8R50FB	860.0	fo±2 5.0	3.0	0.4	1.2 : 1	30 (fo±70)	13.0×16.0×4.5	
RSRA860R8R50FB	860.0	fo±4 5	5.0	0.5	1.2 : 1	65 (fo-140)	14.5×42.0×6.5	
RSRA860R8R50FB	860.0	fo±2 5	5.0	0.5	1.2 5: 1	65 (fo±70)	14.5×42.0×6.5	
RSRA870R9R02FA	870.0	fo±1 .0	15.0	2.0	1.5 : 1	3 (fo±3)	20.0×56.0×7.5	
RSRP881H6R25FA	881.5	fo±1 2.5	2.3	0.6	2.0 : 1	12(fo±32.5)	10.0×13.5×4.5	CDMA
RSRP881H6R25FA	881.5	fo±1 2.5	3.0	1.0	1.43: 1	30 (fo±30)	10.9×22.5×6.0	
RSRA900M6R130FA	900.0	fo±6 5	4.0	1.0	1.43: 1	30 (fo±130)	17.0×38.0×7.0	
RSRA915G4R26FA	915.0	fo±1 3.0	3.0	1.0	1.5 : 1	17(fo±32.5)	13.0×16.0×4.5	RFID
RSRA921K9R05FA	921.0	fo±2 .5	12.0	1.0	1.5 : 1	65 (fo±15)	16.5×43.5×6.0	
RSRA930R6R120FA	930.0	fo±6 0	2.0	1.0	1.5 : 1	60 (fo±210)	18.5×38.0×7.5	
RSRA990R6R140FA	990.0	fo±7 0	2.5	1.0	1.57: 1	50 (fo±210)	13.0×32.0×6.2	
RSRA990R9R06FA	990.0	fo±3	12.0	2.0	1.5 : 1	60 (fo±20)	20.0×56.0×7.5	

RSRA990R9R02FA	990.0	$f_o \pm 1.0$	15.0	2.0	1.5 : 1	3 ( $f_o \pm 3$ )	20.0×56.0×7.5	
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介质滤波器 1200~1800MHz:

Model	Center Freq (MHz)	Pass Band (MHz)	Insertion Loss (dB) max	Ripple (dB) max	VSWR max	Attenuation dB (MHz)	Dimension (W*L*H)	Application
RSRP1207F4R22FA	1207.0	$f_o \pm 11.0$	3.0	1.0	1.3 : 1	40 ( $f_o \pm 60$ )	12.0×13.0×5.0	
RSRP1207K3R20FA	1207.0	$f_o \pm 10.0$	0.6	0.5	1.5 : 1	40 ( $f_o \pm 200$ )	12.0×18.0×7.0	北斗
RSRA1220R6R150FA	1220.0	$f_o \pm 75$	2.5	1.0	1.57 : 1	50 ( $f_o + 360$ )	13.0×32.0×6.2	
RSRP1238R6R95FA	1238.0	$f_o \pm 47.5$	2.0	1.0	1.5 : 1	40 ( $f_o \pm 300$ )	10.9×22.5×5.7	
RSRP1238R6R120FA	1238.0	$f_o \pm 60.0$	3.0	1.0	1.5 : 1	60 ( $f_o \pm 300$ )	10.9×22.5×5.7	
RSRA1238R5R200FA	1238.0	$f_o \pm 100$	0.8	0.5	1.5 : 1	40 ( $f_o \pm 400$ )	14.0×26.0×6.5	
RSRP1268K3R20FA	1268.0	$f_o \pm 10.0$	0.6	0.5	1.5 : 1	40 ( $f_o \pm 200$ )	12.0×18.0×7.0	北斗
RSRP1268K3R22FA	1268.5	$f_o \pm 11.0$	0.7	0.2	1.5 : 1	15( $f_o \pm 100.5$ )	12.0×18.0×7.0	北斗
RSRP1269F4R22FA	1269.0	$f_o \pm 11.0$	3.0	1.0	1.3 : 1	40 ( $f_o \pm 60$ )	12.0×13.0×5.0	
RSRA1330J7R400FA	1330.0	$f_o \pm 200$	3.5	0.5	1.5 : 1	60 ( $f_o \pm 70$ )	13.0×32.0×6.2	
RSRA1365R6R110FA	1365.0	$f_o \pm 55$	2.5	1.0	1.57 : 1	50 ( $f_o \pm 165$ )	13.0×32.0×6.2	
RSRA1375R7R04SFA	1375.0	$f_o \pm 2$	4.0	1.0	1.5 : 1	50 ( $f_o - 25$ )	16.0×44.0×7.5	
RSRA1400R7R380FA	1400.0	$f_o \pm 190$	2.5	1.0	1.28 : 1	40 ( $f_o + 450$ )	14.5×38.0×6.2	
RSRA1500R7R300FA	1500.0	$f_o \pm 150$	3.0	1.0	1.28 : 1	55 ( $f_o - 320$ )	14.5×38.0×6.2	
RSRP1519E5R20FA	1519.5	$f_o \pm 10$	3.0	1.0	1.5 : 1	20 ( $f_o \pm 30$ )	8.×14.0×4.5	
RSRP1568K3R20FA	1568.0	$f_o \pm 10.0$	0.6	0.5	1.5 : 1	40 ( $f_o \pm 200$ )	12.0×18.0×7.0	北斗
RSRP1568H8R25FA	1568.0	$f_o \pm 12.5$	3.0	1.0	1.5 : 1	30 ( $f_o \pm 50$ )	10.9×22.5×5.7	北斗
RSRP1568H8R25FA	1568.0	$f_o \pm 12.5$	2.0	1.0	1.5 : 1	50 ( $f_o \pm 50$ )	11.5×33.4×6.0	北斗
RSRA1595R6R150FA	1595.0	$f_o \pm 75$	2.5	1.0	1.5 : 1	40 ( $f_o + 187.5$ )	15.85×38×7.2	
RSRA1595R6R120FA	1595.0	$f_o \pm 60$	2.5	1.0	1.57 : 1	50 ( $f_o \pm 185$ )	13.0×32.0×6.2	
RSRP1630N8R14FA	1630.0	$f_o \pm 7.0$	5.0	2.0	1.5 : 1	60 ( $f_o \pm 30$ )	11.5×33.4×9.0	
RSRA1700R7R380FA	1700.0	$f_o \pm 190$	2.5	1.0	1.28 : 1	60 ( $f_o - 450$ )	14.5×38.0×6.2	

RSRP1730N8R15FA	1730.0	$f_o \pm 7.5$	6.0	1.5	1.5 : 1	60 ( $f_o \pm 30$ )	11.5×33.4×9.0	
RSRA1793R7R212FA	1793.75	$f_o \pm 106$	3.0	1.0	1.5 : 1	55( $f_o+231.25$ )	16.0×44.0×7.5	

介质滤波器 1800~2000MHz:

Model	Center Freq (MHz)	Pass Band (MHz)	Insertion Loss (dB) max	Ripple (dB) max	VSWR max	Attenuation dB (MHz)	Dimension (W*L*H)	Application
RSRA1802R6R395FA	1802.5	$f_o \pm 197$	1.5	1.0	1.5 : 1	10( $f_o+247.5$ )	18.5×38.0×7.5	
RSRA1825R7R350FA	1825.0	$f_o \pm 175$	3.0	1.5	1.28 : 1	55 ( $f_o-645$ )	14.5×38.0×6.2	
RSRA1840R7R160FA	1840.0	$f_o \pm 80$	1.5	1.0	1.5 : 1	50 ( $f_o \pm 200$ )	16.0×44.0×7.5	
RSRA1980R7R340FA	1980.0	$f_o \pm 170$	2.5	1.0	1.28 : 1	60 ( $f_o-730$ )	14.5×38.0×6.2	
RSRP2038F5R06FA	2038.5	$f_o \pm 3.0$	5.0	1.0	1.38 : 1	60 ( $f_o \pm 71$ )	10.0×18.0×5.0	
RSRA2175R7R350FA	2175.0	$f_o \pm 175$	3.0	1.5	1.28 : 1	55 ( $f_o-1455$ )	14.5×38.0×6.2	
RSRP2200F5R410FA	2200.0	$f_o \pm 205$	4.0	1.6	2.0 : 1	140 ( $f_o \pm 600$ )	10.0×18.0×5.0	
RSRP2200F5R410FA	2200.0	$f_o \pm 10$	3.5	1.0	1.5 : 1	150 ( $f_o \pm 60$ )	9.0×22.5×6.1	
RSRA2400M6R30FA	2400.0	$f_o \pm 15$	4.0	2.0	1.5 : 1	165 ( $f_o \pm 100$ )	14.0×26.0×6.5	
RSRA2400M6R30FA	2400.0	$f_o \pm 15$	5.0	2.0	1.5 : 1	175 ( $f_o \pm 100$ )	13.0×38.0×7.0	
RSRA2442R6R83FA	2442.0	$f_o \pm 41.5$	2.5	1.0	1.43 : 1	70 ( $f_o \pm 180$ )	14.5×38.0×7.5	
RSRM2492F2R10FA	2492.0	$f_o \pm 5.0$	0.5	0.3	1.5 : 1	130 ( $f_o-876$ )	7.4×6.2×4.0	北斗
RSRP2492F3R10FA	2492.0	$f_o \pm 5.0$	0.7	0.5	1.5 : 1	160 ( $f_o-876$ )	10.0×12.5×5.0	北斗
RSRA2500M6R30FA	2500.0	$f_o \pm 15$	5.0	2.0	1.5 : 1	175 ( $f_o \pm 100$ )	13.0×38.0×7.0	
RSRP2600F5R410FA	2600.0	$f_o \pm 205$	4.0	1.6	2.0 : 1	140 ( $f_o \pm 600$ )	10.0×18.0×5.0	
RSRP2600F5R410FA	2600.0	$f_o \pm 205$	4.0	1.6	2.0 : 1	140 ( $f_o \pm 600$ )	10.0×18.0×5.0	
RSRP2600F5R410FA	2600.0	$f_o \pm 205$	4.0	1.6	2.0 : 1	140 ( $f_o \pm 600$ )	10.0×18.0×5.0	
RSRA2600M6R30FA	2600.0	$f_o \pm 15$	5.0	2.0	1.5 : 1	175 ( $f_o \pm 100$ )	13.0×38.0×7.0	
RSRP3000N6R12FA	3000.0	$f_o \pm 6.0$	1.5	0.5	1.5 : 1	160 ( $f_o+180$ )	11.5×26.0×9.0	



介质滤波器 Over 3000MHz:

Model	Center Freq (MHz)	Pass Band (MHz)	Insertion Loss (dB) max	Ripple (dB) max	VSWR max	Attenuation dB (MHz)	Dimension (W*L*H)	Application
RSRM3200R4R10FA	3200.0	$f_0 \pm 5.0$	5.0	2.0	1.5: 1	60 ( $f_0 \pm 90$ )	10.0×20.0×6.2	
RSRM3200R4R10FA	3200.0	$f_0 \pm 5$	4.0	1.5	1.6: 1	60 ( $f_0 \pm 200$ )	10.0×18.0×5.0	
RSRP3250N8R304FA	3250.0	$f_0 \pm 152$	1.5	0.6	1.4: 1	60 ( $f_0 \pm 580$ )	11.5×33.4×9.0	
RSRP3250N8R500FA	3250.0	$f_0 \pm 250$	2.0	0.5	1.5: 1	50 ( $f_0 - 1500$ )	11.5×33.4×9.0	
RSRM3462D3R27FA	3462.5	$f_0 \pm 13.5$	3.0	1.0	1.5	15( $f_0 \pm 86$ )	8.3X7.5X3.0	
RSRM3550D3R100FA	3550.0	$f_0 \pm 50.0$	2.3	1.0	1.5	15( $f_0 - 150$ )	8.3X4.5X3.0	
RSRP3700R6R300FA	3700.0	$f_0 \pm 150$	3.0	0.7	1.5: 1	65 ( $f_0 \pm 350$ )	10.9×22.5×5.7	
RSRP3800F5R10FA	3800.0	$f_0 \pm 5.0$	6.0	2.0	2.0: 1	60 ( $f_0 \pm 100$ )	10.0×18.0×5.0	
RSRP3800F5R410FA	3800.0	$f_0 \pm 205$	4.0	1.6	2.0: 1	40 ( $f_0 \pm 600$ )	10.0×18.0×5.0	
RSRP4015R6R300FA	4015.0	$f_0 \pm 150$	2.0	0.5	1.5: 1	30 ( $f_0 \pm 900$ )	9.0×22.5×6.1	
RSRP4200H8R80FA	4200.0	$f_0 \pm 40.0$	7.0	1.0	2.0: 1	45 ( $f_0 \pm 400$ )	11.5×33.4×6.0	
RSRP4480F5R120FA	4480.0	$f_0 \pm 60.0$	2.5	1.0	1.44 : 1	45 ( $f_0 \pm 480$ )	10.0×18.0×5.0	
RSRP4600R5R80FA	4600.0	$f_0 \pm 40$	5.5	1.0	2.0: 1	40 ( $f_0 - 150$ )	0.8×0.37×0.2	
RSRP4725R6R20FA	4725.0	$f_0 \pm 10.0$	3.0	2.0	1.5: 1	45 ( $f_0 - 225$ )	9.0×22.5×6.1	
RSRP4776R6R20FA	4776.0	$f_0 \pm 10.0$	3.0	2.0	1.5: 1	45 ( $f_0 - 276$ )	9.0×22.5×6.1	
RSRP5061R6R20FA	5061.0	$f_0 \pm 10.0$	3.0	2.0	1.5: 1	45 ( $f_0 - 561$ )	9.0×22.5×6.1	
RSRP5140R6R20FA	5140.0	$f_0 \pm 10.0$	3.0	2.0	1.5: 1	45 ( $f_0 - 640$ )	9.0×22.5×6.1	
RSRP5170R6R20FA	5170.0	$f_0 \pm 10.0$	5.0	1.0	1.5: 1	30 ( $f_0 \pm 110$ )	10.9×22.5×7.5	
RSRP5500H8R20FA	5500.0	$f_0 \pm 10$	4.0	1.0	1.4	30( $f_0 \pm 50$ )	11.5X33.4X6.0	
RSRP5740R6R30FA	5740.0	$f_0 \pm 15$	2.8	1.0	1.5: 1	20 ( $f_0 \pm 100$ )	10.9×22.5×5.7	
RSRP5744R3R32FA	5744.5	$f_0 \pm 16$	3.0	1.0	1.5: 1	5 ( $f_0 \pm 49$ )	9.5×10.0×3.6	
RSRP5805R6R30FA	5805.0	$f_0 \pm 15$	2.8	1.0	1.5: 1	20 ( $f_0 \pm 100$ )	10.9×22.5×5.7	
RSRP5809R3R32FA	5809.5	$f_0 \pm 16$	3.0	1.0	1.5: 1	5 ( $f_0 \pm 49$ )	9.5×10.0×3.6	
RSRP5925R6R20FA	5925.0	$f_0 \pm 10$	2.0	0.5	1.43 : 1	40 ( $f_0 \pm 370$ )	10.9×22.5×7.5	
RSRP6000F5R100FA	6000.0	$f_0 \pm 50$	4.0	1.5	2.0: 1	40 ( $f_0 \pm 300$ )	10.0×18.0×5.0	
RSRP6500N8R1000FA	6500.0	$f_0 \pm 500$	2.0	0.5	1.5: 1	40( $f_0 \pm 1000$ )	11.5×33.4×9.0	

## 介质天线

### CERAMIC PATCH ANTENNA

RPA series is a miniature antenna element for GPS

#### FEATURES:

Various Size & Wide Frequency: 200MHz~6GHz

Freely Customer Design: Sample Provided In 3WKS

Excellent Temperature Stability: Operation temperature -45°C~85°C

Excellent Radiation Pattern



#### METHOD OF DEFINITION:

RTPA	□□□□	□	□□	□	□
1	2	3	4	5	6
1. Patch Antenna		2. Center Frequency		3. Structure	
4. Dimensions		5. Feeding Point		6. Versions	

#### POPULAR MODEL:

Model	Dimension (mm)	Center Freq fo (MHz)	Pass Band (MHz)	R. L (dB)	Gain (dBi)	Ground Plane (mm)	Application
RTPA1580S25XA	25 X 25	1580	15	15	2.5	70 X 70	GPS
RTPA1580S25EA	25 X 25	1580	8	15	4.5	70 X 70	GPS
RTPA1570S25XA	25 X 25	1570	15	15	2.5	70 X 70	GPS
RTPA1575S25XA	25 X 25	1575	15	15	2.5	70 X 70	GPS
RTPA1580S20XA	25 X 25	1580	12	15	3.5	50 X 50	GPS
RTPA1575S20EA	25 X 25	1575	12	15	3.5	50 X 50	GPS
RTPA1580S18XA	18 X 18	1580	10	15	3.0	50 X 50	GPS
RTPA1580S18EA	18 X 18	1580	10	15	3.0	50 X 50	GPS
RTPA1580S13XA	18 X 18	1580	5	15	0.0	30 X 30	GPS
RTPA2450D16EA	φ 16	2450	45	15	2.15	50 X 70	W-LAN

#### NOTE:

Design: Rectangular micro-strip antenna

Feeding Method: Off-set one point feeding