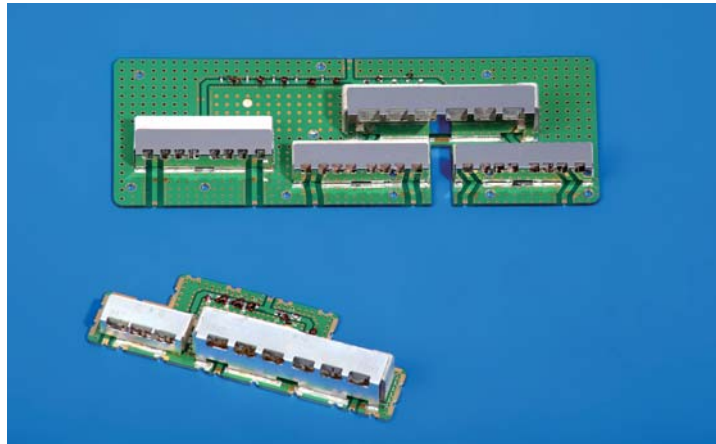


# Dielectric Multiplexer

-For wireless communication equipment such as base station, repeater etc.  
-适用于基站、直放站等无线通信设备。



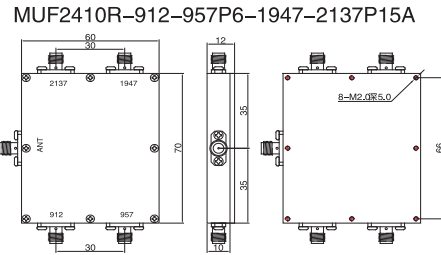
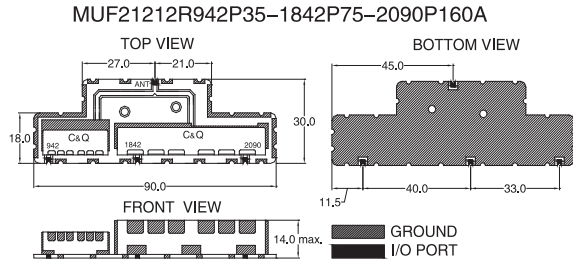
### ◆ Principal Parameters(主要参数)

Part No. 型号	Center Frequency (MHz) 中心频率	Band Width (MHz) 带宽	Insertion Loss (dB) max. 插入损耗	Ripple in Band Width (dB)max. 带内波动	V.S.W.R max 驻波比	Attenuation (dB) min. (MHz) 衰减
MUF2410R-912-957P6- 1947-2137P15A	912	909~915	3.0	1.2	1.3	52min@954~960
	957	954~960	3.0	1.2	1.3	52 min @ 909~915
	1947.5	1940~1955	2.5	1.2	1.3	52 min @2130~2145
	2137.5	2130~2145	2.5	1.2	1.3	52 min @1940~1955
MUF4810R947/902P25- 1842/1747P75-2140/1956P60A	902.5	890~915	3.2	1.7	1.5	50min @935~960
	947.5	935~960	3.3	1.7	1.5	50min @890~915
	1747.5	1710~1785	5.5	3.8	1.5	40min @ 1805~1880
	1842.5	1805~1880	6.0	3.8	1.5	40min @ 1710~1785
	1956	1926~1986	3.8	1.2	1.5	55min @2110~2170
	2140	2110~2170	3.0	1.0	1.5	50min @ 1926~1986
MUF4810R956-911P08- 1835-1740P20-2118- 1928P15A	955.85	951.7~960	3.2	1.0	1.3	55min @906.7~915
	910.85	906.7~915	3.2	1.0	1.3	55min @951.7~960
	1835	1825~1845	3.7	1.2	1.3	55min @ 1730~1750
	1740	1730~1750	3.7	1.2	1.3	55min @ 1825~1845
	2117.5	2110~2125	3.5	1.0	1.3	55min @ 1920~1935
	1927.5	1920~1935	3.7	1.0	1.3	55min @2110~2125
MUF2810R897P35- 1747P75-1950P60A	897.5	880~915	2.5	0.5	1.25	60min@ 1710~1785MHz 60min@ 1920~1980MHz
	1747.5	1710~1785	2.0	0.5	1.25	60min@880~915MHz 55min@ 1920~1980MHz 60min @880~915MHz
	1950	1920~1980	2.0	0.5	1.25	55min@ 1920~1980MHz 60min@ 1805~1880MHz 60min @2110~2170MHz
MUF2810R942P35- 1842P75-2140P60A	942.5	925~960	2.5	0.5	1.25	60min@ 1805~1880MHz 60min @2110~2170MHz
	1842.5	1805~1880	2.0	0.5	1.25	60min@925~960MHz 55min @2110~2170MHz
	2140	2110~2170	2.0	0.5	1.25	60min@925~960MHz 55min@ 1805~1880MHz
MUF21212R897P35- 1747P75-1972P105A	897.5	880~915	3.5	1.8	1.5	15.0min@925~960
	1747.5	1710~1785	2.0	0.8	1.5	40.0min@ 1920~2025
	1972.5	1920~2025	2.0	0.8	1.5	40.0min @1710~1785
MUF21212R922P75- 1795P170-2045P250A	922.5	885~960	3.0	1.5	1.5	50.0min@1710~1800 50.0min @ 1920~2170
	1795	1710~1880	2.5	1.5	1.5	50.0min@885~960 50.0min@ 1920~2170
	2045	1920~2170	2.5	1.8	1.8	50.0min@885~960 50.0min @1710~1800
MUF21212R942P35-18 42P75-2090P160A	942.5	925~960	3.5	1.8	1.5	15.0min@880~915
	1842.5	1805~1880	2.0	0.8	1.5	40.0min@2010~2170
	2090	2010~2170	2.0	0.8	1.5	40.0min @1805~1880

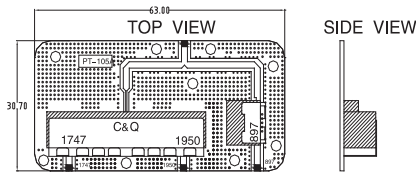
Note: The data for reference only, Design it as customer's request. 以上参数仅作为参考，可根据用户要求设计。

# Dielectric Multiplexer

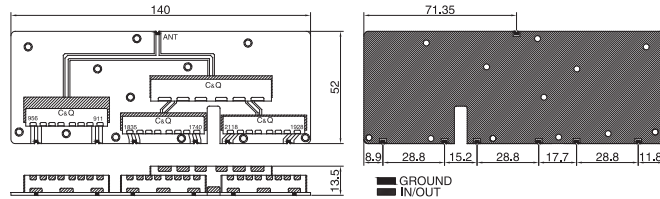
Dimension (尺寸) (Unit:mm)



MUF2810R897P35-1747P75-1950P60A

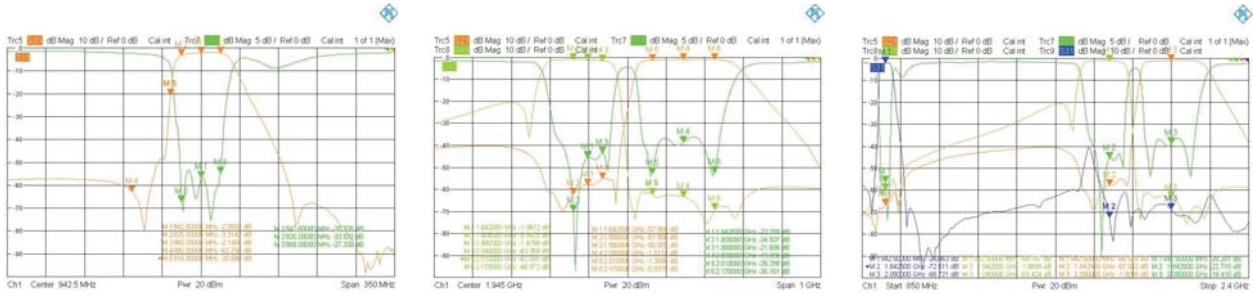


MUF4810R956-911P08-1835-1740P20-2118-1928P15A

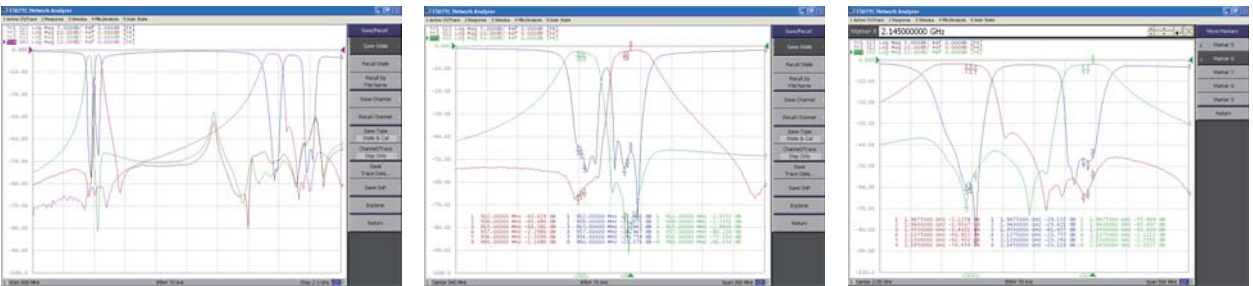


## Typical Characteristic (波形特性)

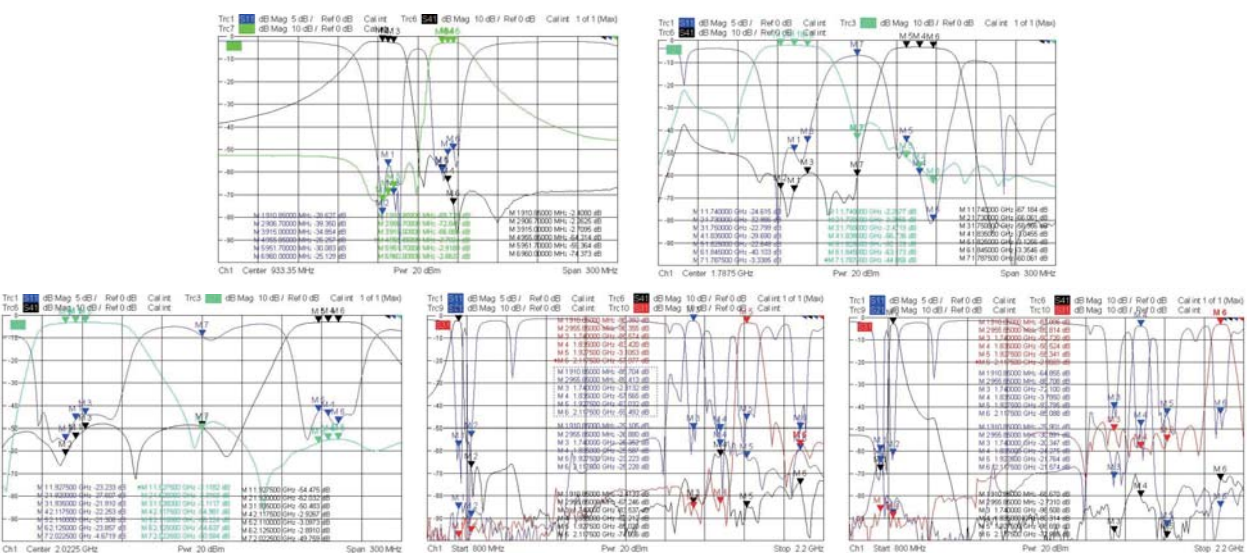
MUF21212R942P35-1842P75-2090P160A



MUF2410R-912-957P6-1947-2137P15A



MUF4810R956-911P08-1835-1740P20-2118-1928P15A



Dielectric Filter\Duplexer\Multiplexer\Coupler

◆FEATURES

- Various Size & Wide Frequency
- Temperature Compensated
- Low Insertion Loss
- High frequency selectivity

◆特点

- 多种尺寸、频率范围广
- 温度补偿
- 低插损
- 高频率选择性

◆APPLICATIONS

- Base Station
- Repeater
- Cellular phone
- Cordless phone
- Trunked Radio System(TRS)
- PCS
- DECT
- Radar, Electronic counterwork
- Aviation and Spaceflight, Navigation
- Wireless LAN
- MMDS
- CDMA
- IMT-2000
- GSM
- DCS

◆应用

- 通信基站
- 通信转发器
- 蜂窝式电话
- 无绳电话
- 中继无线系统
- 个人移动通信系统
- 数字无绳电话
- 雷达、电子对抗
- 军事、航空航天等领域
- 无线局域网
- 多重频道, 多重定位系统
- 码分多路访问(通信)
- 国际移动通讯
- 全球数字移动电话系统
- 无线局域网

Method of Definition (命名方式)

C □ □ □ □ □ □ □ □ □ □  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① C&Q
- ② M: Mono Type A: Array Type
- ③ F: Filter D: Duplexer
- ④ Thickness
- ⑤ Number of resonator
- ⑥ Hole Structure
- ⑦ Center Frequency
- ⑧ Connect type S: SMD C: SMD+Case P: SMD+Case+PCB
- ⑨ Bandwidth
- ⑩ Versions

- ① C&Q
- ② M: 连体式 A: 分立式
- ③ F: 滤波器 D: 双工器
- ④ 厚度
- ⑤ 腔体数
- ⑥ 结构形式
- ⑦ 中心频率
- ⑧ 封装形式
- ⑨ 带宽
- ⑩ 版本

C □ □ □ □ □ □ □ □ □ □  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① C&Q
- ② DCF: MCF: MUF: DBF:
- ③ Number of filter or duplexer
- ④ Specification
- ⑤ Hole Structure
- ⑦ Center Frequency
- ⑧ Connect type S: SMD C: SMD+Case P: SMD+Case+PCB
- ⑨ Bandwidth
- ⑩ Versions

- ① C&Q
- ② 双工耦合器: 多工耦合器: 多工器: 双频滤波器
- ③ 滤波器或双工器个数
- ④ 滤波器规格
- ⑥ 结构形式
- ⑦ 中心频率
- ⑧ L: 针插式 H: 金属外壳
- ⑨ 带宽
- ⑩ 版本

回流焊温度曲线  
Reflow profile

