

**MONOLITHIC CRYSTAL FILTER**
**单片晶体滤波器**

**UM-1、UM-5 DIP TYPE 4POLES**

- High stability for wide temperature ranges
- Wide frequency ranges
- RoHS Compliant (Pb Free)

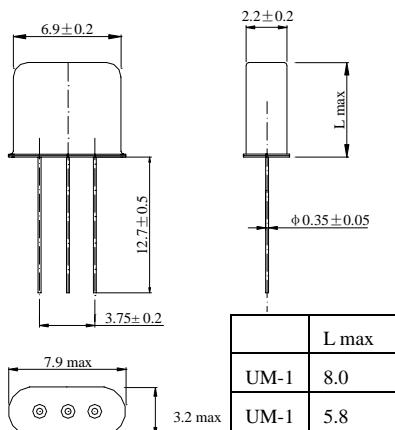
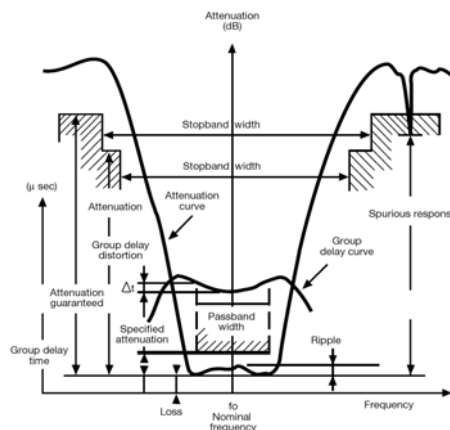


RoHS compliant

**★ PARAMETERS**
**技术参数**

| Model     | Centre Frequency Fc (MHz) | Pass Band Width (KHz/dB) | Stop Band Width (KHz/dB) | Pass Band Ripple (dB) max | Insertion Loss (dB) max | Terminal Impedance Zt/C(Ω//pF) | Operating Temperature Range | Mode of oscillator | Pole |
|-----------|---------------------------|--------------------------|--------------------------|---------------------------|-------------------------|--------------------------------|-----------------------------|--------------------|------|
| FT21M07B  | 21.400                    | ±3.75/3                  | ±14.0/40                 | 1.0                       | 2.0                     | 850//5                         | -20~+70°C                   | Fund               | 4    |
| FT21M08B  | 21.400                    | ±4.00/3                  | ±16.0/40                 | 1.0                       | 2.0                     | 1000//4                        | -20~+70°C                   | Fund               | 4    |
| FT21M12B  | 21.400                    | ±6.00/3                  | ±20.0/40                 | 1.0                       | 2.0                     | 1200//2.5                      | -20~+70°C                   | Fund               | 4    |
| FT21M15B  | 21.400                    | ±7.50/3                  | ±25.0/40                 | 1.0                       | 2.0                     | 1500//2                        | -20~+70°C                   | Fund               | 4    |
| FT21M15B2 | 21.400                    | ±7.50/3                  | ±30.0/40                 | 1.0                       | 2.0                     | 1500//2                        | -20~+70°C                   | Fund               | 4    |
| FT21M15B3 | 21.400                    | ±7.50/3                  | ±30.0/40                 | 1.5                       | 3.0                     | 1500//1                        | -20~+70°C                   | Fund               | 4    |
| FT21M30B  | 21.400                    | ±15.0/3                  | ±50.0/40                 | 1.0                       | 2.0                     | 3000//0.5                      | -20~+70°C                   | Fund               | 4    |
| FT21P07B  | 21.600                    | ±3.75/3                  | ±14.0/40                 | 1.0                       | 2.0                     | 850//5                         | -20~+70°C                   | Fund               | 4    |
| FT21P12B  | 21.600                    | ±6.00/3                  | ±20.0/40                 | 1.0                       | 2.0                     | 1200//2.5                      | -20~+70°C                   | Fund               | 4    |
| FT21P15B  | 21.600                    | ±7.50/3                  | ±25.0/40                 | 1.0                       | 2.0                     | 1500//2                        | -20~+70°C                   | Fund               | 4    |
| FT21T07B  | 21.700                    | ±3.75/3                  | ±14.0/40                 | 1.0                       | 2.0                     | 850//5                         | -20~+70°C                   | Fund               | 4    |
| FT21T12B  | 21.700                    | ±6.00/3                  | ±20.0/40                 | 1.0                       | 2.0                     | 1200//2.5                      | -20~+70°C                   | Fund               | 4    |
| FT21T15B  | 21.700                    | ±7.50/3                  | ±25.0/40                 | 1.0                       | 2.0                     | 1500//2                        | -20~+70°C                   | Fund               | 4    |
| FT21T30B  | 21.700                    | ±15.0/3                  | ±50.0/40                 | 1.0                       | 2.0                     | 3000//0.5                      | -20~+70°C                   | Fund               | 4    |
| FT30M15B  | 30.875                    | ±7.5/3                   | ±25.0/40                 | 1.0                       | 2.5                     | 800//4                         | -20~+70°C                   | Fund               | 4    |
| FT38M15B  | 38.850                    | ±7.5/3                   | ±30.0/40                 | 1.0                       | 3.0                     | 800//3                         | -20~+70°C                   | Fund               | 4    |
| FT45M07B  | 45.000                    | ±3.75/3                  | ±12.5/30                 | 1.0                       | 2.5                     | 350//6.5                       | -20~+70°C                   | Fund               | 4    |
| FT45M15B  | 45.000                    | ±7.50/3                  | ±25.0/40                 | 1.0                       | 2.5                     | 550//3                         | -20~+70°C                   | Fund               | 4    |
| FT45M30B  | 45.000                    | ±15.0/3                  | ±40.0/30                 | 1.0                       | 2.5                     | 800//1.5                       | -20~+70°C                   | Fund               | 4    |

○ All specification subject change without notice. 规格变化, 恕不另行通知。

**★ DIMENSIONS 外形尺寸**

**★ PASS BAND FILTER SPEC-DRAWING**

**★ TEST CIRCUIT 测试线路**
