

Multilayer Antenna Switch Filters

Series: **L**

Type: **D (6.7×5.0×1.8 mm)**
M (5.4×4.0×1.8 mm)



Multilayer Antenna Switch Filters for dual band telephones (GSM/DCS), featuring low insertion loss and high isolation.

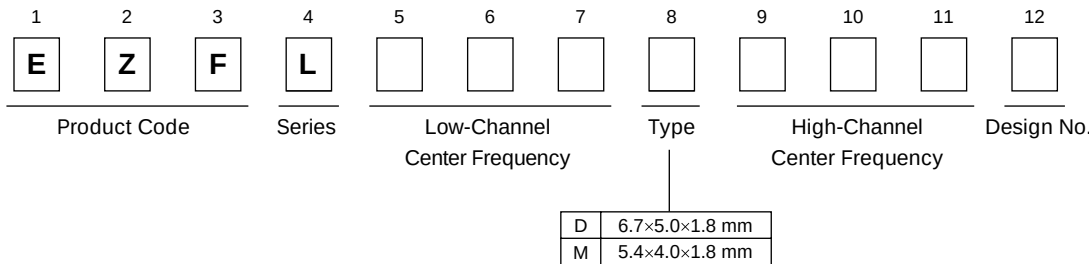
■ Features

- Minuaturized, Light weight
(5.4 × 4.0 × 1.8mm : type M)
- LPF built in
- Applicable to reflow soldering
- Applicable to LGA (Land Grid Arrey) (type : M)

■ Recommended Applications

- Dual band telephones (GSM/DCS)

■ Explanation of Part Numbers



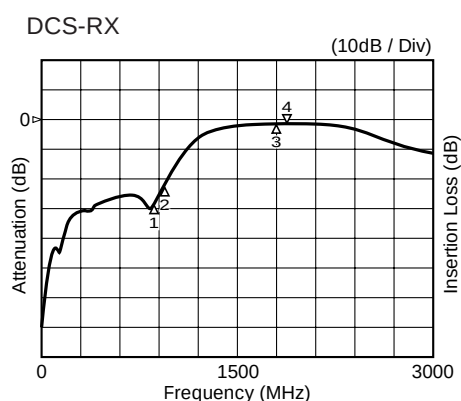
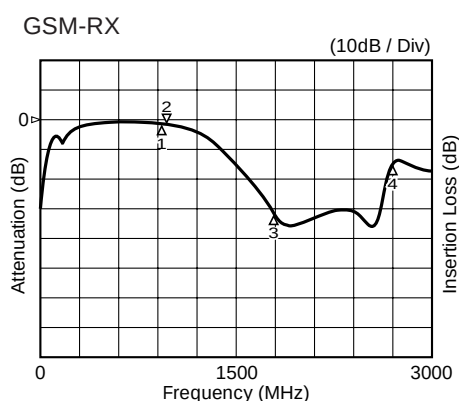
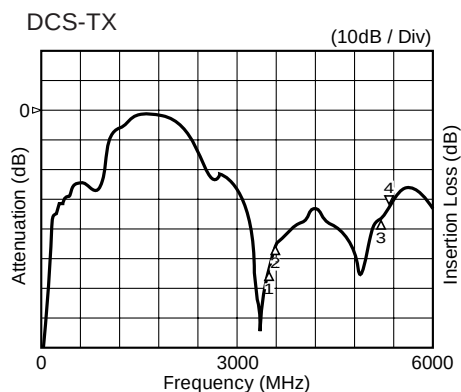
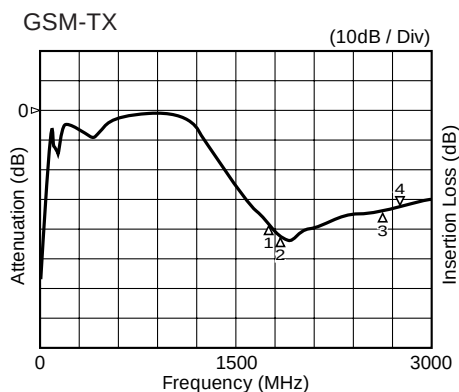
■ Ratings

Item	Ratings
Operating Temperature Range	−10 to 70 °C
Strage Temperature Range	−35 to 85 °C
Input/Output Impedance	50 Ω

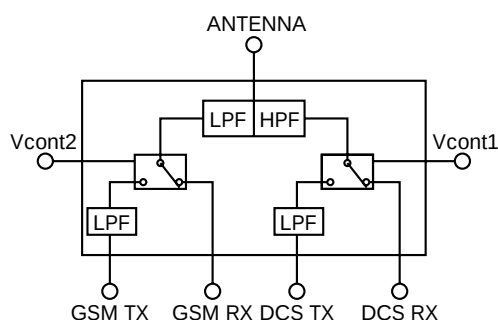
■ Characteristics

System	Part No.	CH	Center Frequency (MHz)	Passband Width (MHz)	Insertion loss (at 25°C)	Attenuation (TX→ANT) (dB)	Isolation (dB)	Input power (dBm)
GSM/DCS	EZFL897DH47□	GSM-TX	897.5 (ft1)	±17.5	1.3 max.	30 min (at 2 ft1)	20 min (TX→RX)	35
		GSM-RX	942.5	±17.5	1.1 max.	25 min (at 3 ft1)	20 min (TX→DCSRX)	10
		DCS-TX	1747.5 (ft2)	±37.5	1.4 max.	25 min (at 2 ft2)	20 min (TX→RX)	32
		DCS-RX	1842.5	±37.5	1.2 max.	25 min (at 3 ft2)	20 min (TX→GSMRX)	10
GSM/DCS	EZFL897MH47□	GSM-TX	897.5 (ft1)	±17.5	1.3 max.	30 min (at 2 ft1)	20 min (TX→RX)	35
		GSM-RX	942.5	±17.5	1.1 max.	25 min (at 3 ft1)	20 min (TX→DCSRX)	10
		DCS-TX	1747.5 (ft2)	±37.5	1.4 max.	25 min (at 2 ft2)	20 min (TX→RX)	32
		DCS-RX	1842.5	±37.5	1.2 max.	25 min (at 3 ft2)	20 min (TX→GSMRX)	10

Typical Characteristics



Block Diagram

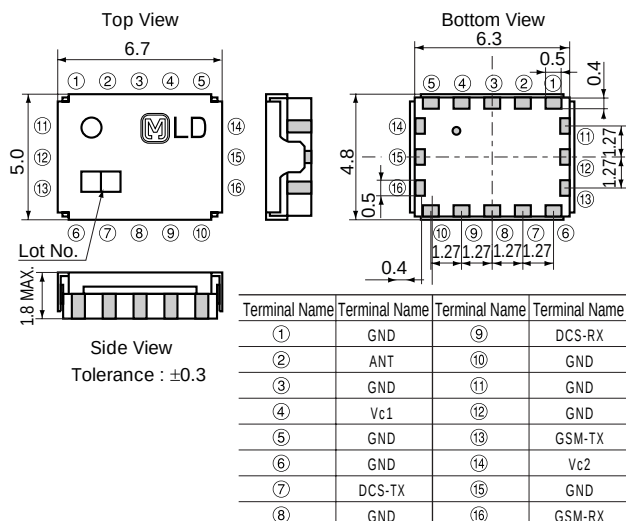


Logic

Mode	Vcont1	Vcont2
GSM TX	L	H
GSM RX	L	L
DCS TX	H	L
DCS RX	L	L

Dimensions in mm (not to scale)

Type : D



Type : M

