

### Multilayer Planar Filters



Series: **V**

Type: **AM** (2 Poles)  
**BM** (3 Poles)  
**NM** (Balance Type)

Series V Multilayer Planar Filters were developed for cellular telephones, data communication equipment and digital cordless telephones. They feature low insertion loss and large attenuation characteristics.

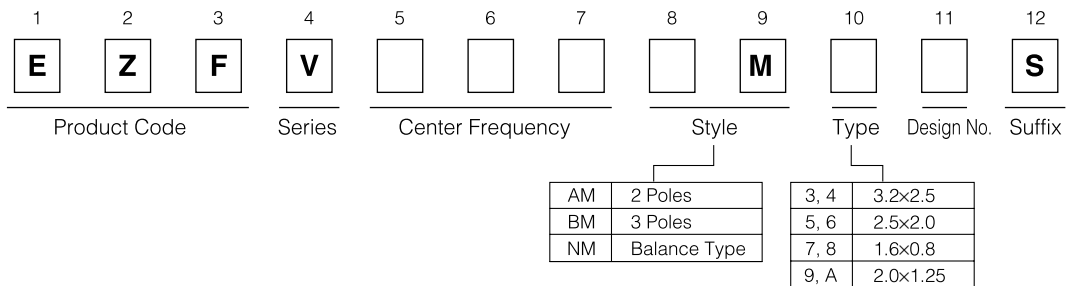
#### ■ Features

- Low Temperature Co-fired Ceramic (LTCC) dielectrics
- Resonant type coupling circuit for high selectivity
- Ultra-miniaturized type SMD (2.0 x 1.25 x 1.0 mm), 1/40 the size of co-axial filters

#### ■ Recommended Applications

- Cellular telephones , PHS
- Data communication equipment (Bluetooth, W-LAN)
- Digital cordless telephones

#### ■ Explanation of Part Numbers



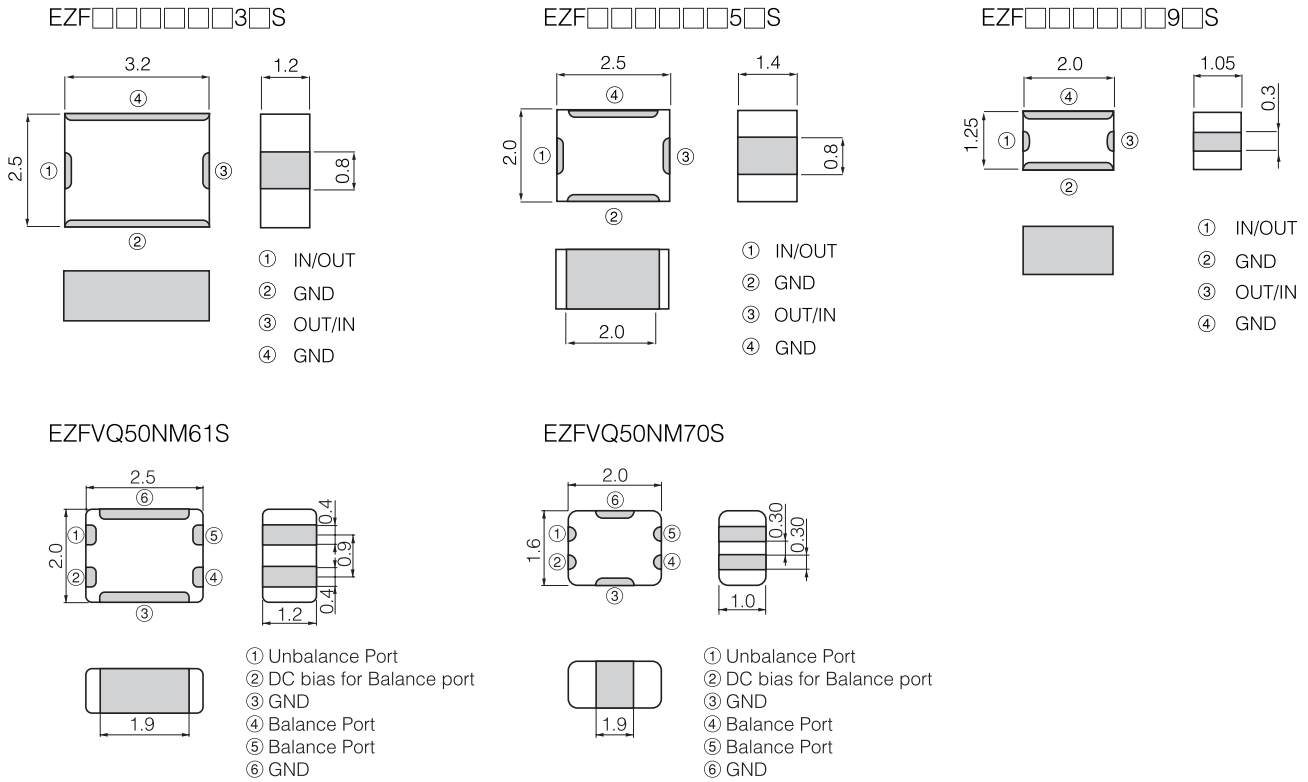
#### ■ Ratings

Item	Ratings
Operating Temperature Range	-25 to +85 °C
Storage Temperature Range	-40 to +85 °C
Rated Input Power	1 W

#### ■ Characteristics

System	Part No.	Size	Poles	Pass-band (MHz)	Insertion loss (at +25°C)	Attenuation	Input/Output Impedance		
							IN	OUT	
1.9 GHz Band	EZFKV07BM55S	2.5x2.0x1.4	3	1907±13	2.30	40 dB min. 1420 MHz 32 dB min. 1660 MHz	50 Ω	50 Ω	
	EZFKV07AM56S	2.5x2.0x1.5	2	1907±13	1.31	32 dB min. 1420 MHz 15 dB min. 1660 MHz			
	EZFKV07AM36S	3.2x2.5x2.0	2	1907±13	1.35	45 dB min. 1420 MHz 19 dB min. 1660 MHz			
2.4 GHz Band	EZFKV50BM90S	2.0x1.25x1.05	3	2450±50	2.60	30 dB min. 1980 MHz 30 dB min. 2170 MHz			
	EZFKV50BM98S	2.0x1.25x1.05	3	2450±50	1.40	30 dB min. 1910 MHz 6 dB min. 2170 MHz			
	EZFKV50BMA0S	2.0x1.25x1.0	3	2450±50	2.20	30 dB min. 1600 MHz 25 dB min. 2000 MHz			
	EZFKV50BM50L	2.5x2.0x1.0	3	2450±50	2.30	35 dB min. 1980 MHz 30 dB min. 2170 MHz			
	EZFKV50BM33S	3.2x2.5x1.2	3	2450±50	1.80	50 dB min. 1550 MHz 12 dB min. 2200 MHz			
Balance Type	EZFKV50NM70S	2.0x1.6x1.0	2	2450±50	3.30	40 dB min. 1990 MHz 10 dB min. 2170 MHz			50 Ω Balance
	EZFKV50NM61S	2.5x2.0x1.2	3	2450±50	3.30	43 dB min. 1990 MHz 33 dB min. 2170 MHz			100 Ω Balance
5 GHz Band	EZFKV579BM91S	2.0x1.25x1.05	3	5790±60	1.50	30 dB min. 2000 MHz 30 dB min. 3000 MHz			50 Ω
	EZFKV579BM51S	2.5x2.0x1.0	3	5790±60	2.30	35 dB min. 4000 MHz 40 dB min. 4900 MHz			

■ Dimensions in mm (not to scale)



■ Typical Characteristics  
Attenuation/Insertion Loss vs. Frequency

