

## Electrical / Environmental

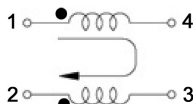
# HM67-3216

Surface Mount Common Mode Chokes

- Operating Temperature Range -40°C to +125°C
- Ambient Temperature, Maximum 85°C
- Temperature Rise, Maximum 40°C



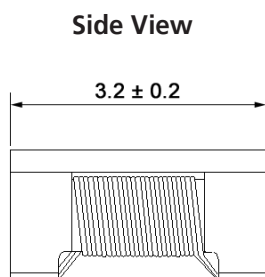
## Schematic



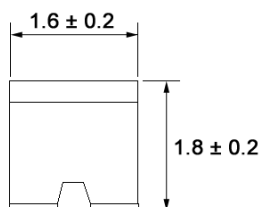
## Specifications @ 25°C

| Part Number     | Terminals | Common-Mode Impedance<br>$Z @ 100\text{MHz}$<br>$\Omega \pm 25\%$ | Rated Current<br>mA | DCR<br>Max.<br>$\Omega$ | Rated Voltage<br>Vdc | Withstanding Voltage<br>Vdc | Insulation Resistance<br>M $\Omega$ Min. |
|-----------------|-----------|-------------------------------------------------------------------|---------------------|-------------------------|----------------------|-----------------------------|------------------------------------------|
| HM67-3216-900LF | 1-4, 2-3  | 90                                                                | 370                 | 0.30                    | 50                   | 125                         | 10                                       |
| HM67-3216-161LF | 1-4, 2-3  | 160                                                               | 340                 | 0.40                    | 50                   | 125                         | 10                                       |
| HM67-3216-261LF | 1-4, 2-3  | 260                                                               | 310                 | 0.50                    | 50                   | 125                         | 10                                       |
| HM67-3216-601LF | 1-4, 2-3  | 600                                                               | 260                 | 0.80                    | 50                   | 125                         | 10                                       |
| HM67-3216-102LF | 1-4, 2-3  | 1000                                                              | 230                 | 1.00                    | 50                   | 125                         | 10                                       |
| HM67-3216-222LF | 1-4, 2-3  | 2200                                                              | 200                 | 1.20                    | 50                   | 125                         | 10                                       |

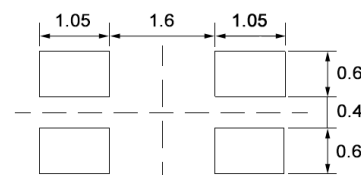
## Outline Dimensions (mm)



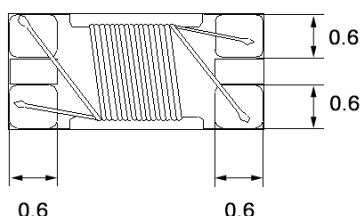
### Front View



### Recommended Solder Pad Layout



### Bottom View



## Packaging

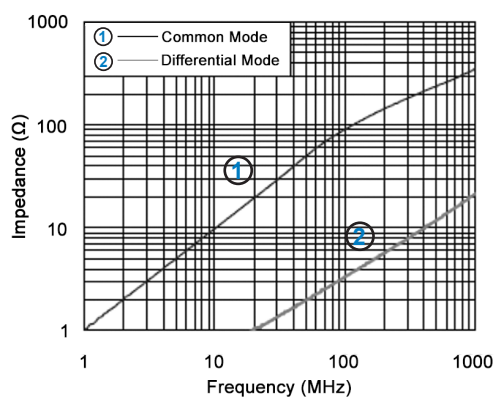
**Standard:** Embossed Tape & Reel

|       |                         |                |
|-------|-------------------------|----------------|
| Reel: | Diameter:               | = 7" (177.8mm) |
|       | Capacity: Reel Quantity | = 2,000 Units  |
|       | Carton Box Quantity     | = 20,000 Units |

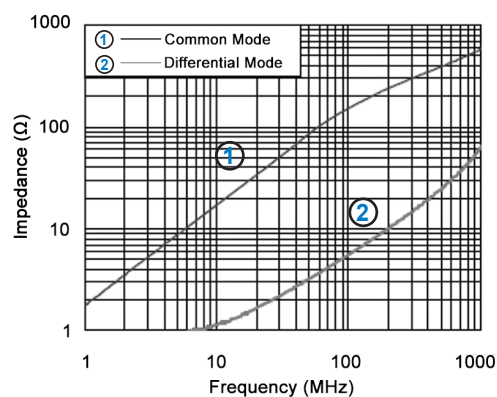
## Electrical Characteristics @ 25°C

### (A) Impedance vs. Frequency Graphs

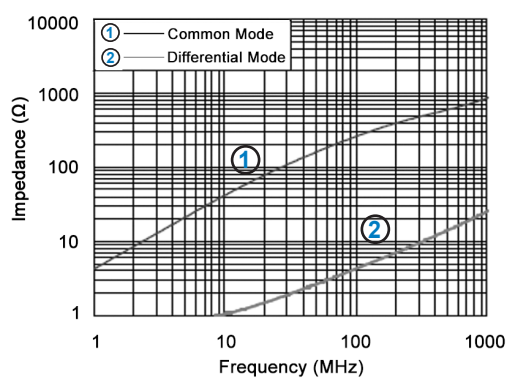
**HM67-3216-900LF**



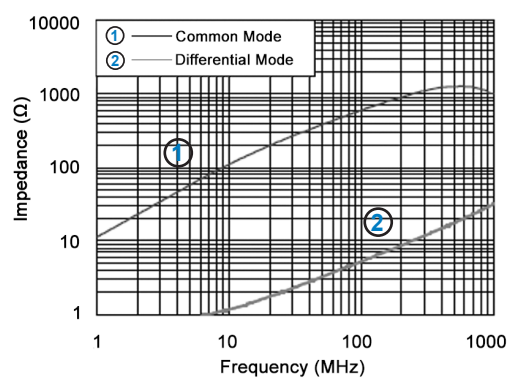
**HM67-3216-161LF**



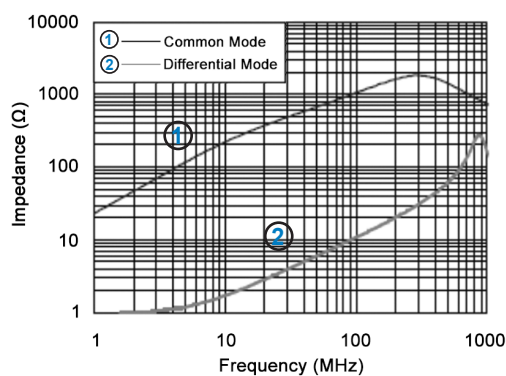
**HM67-3216-261LF**



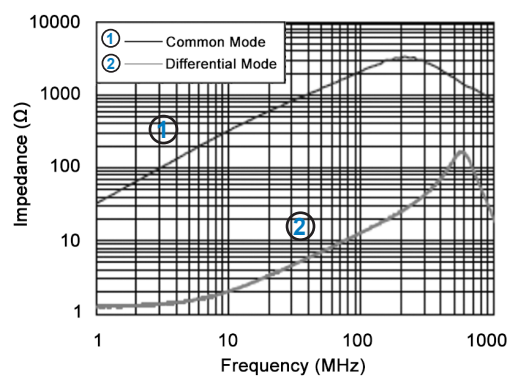
**HM67-3216-601LF**



**HM67-3216-102LF**

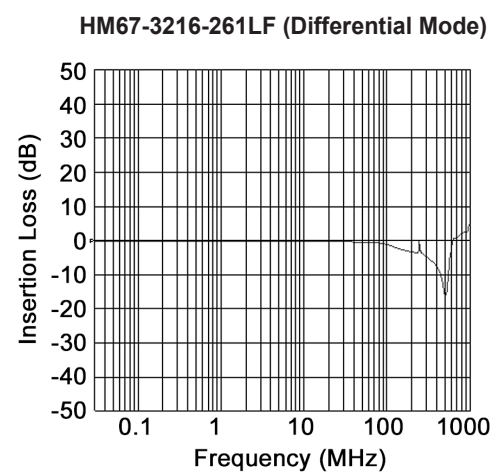
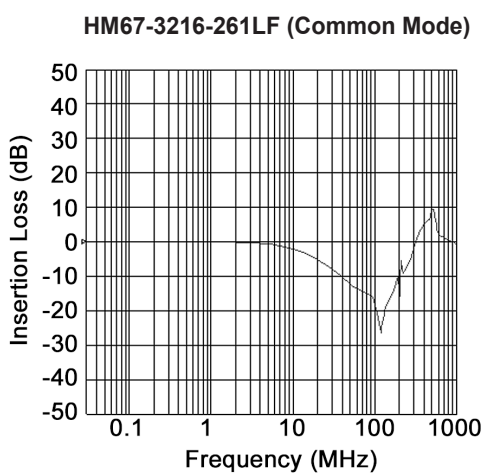
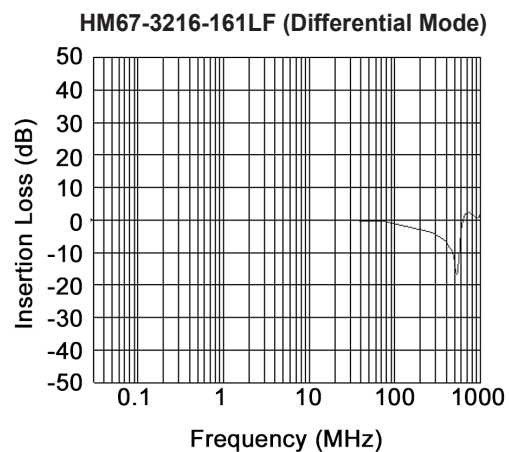
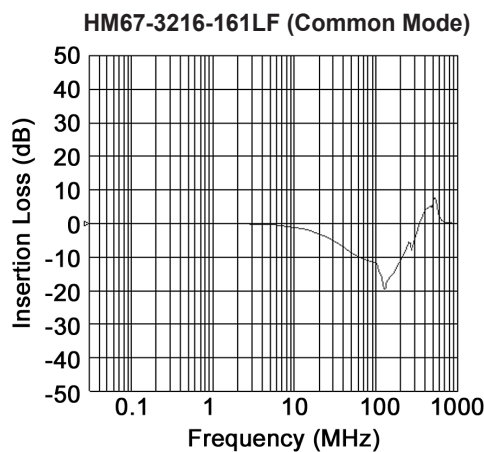
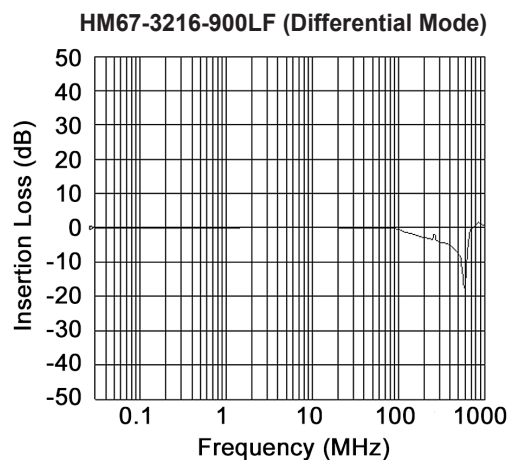
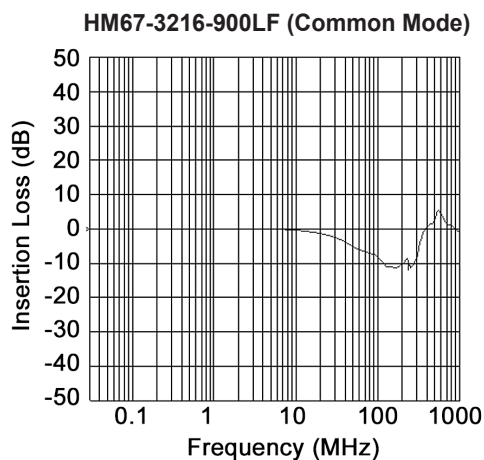


**HM67-3216-222LF**



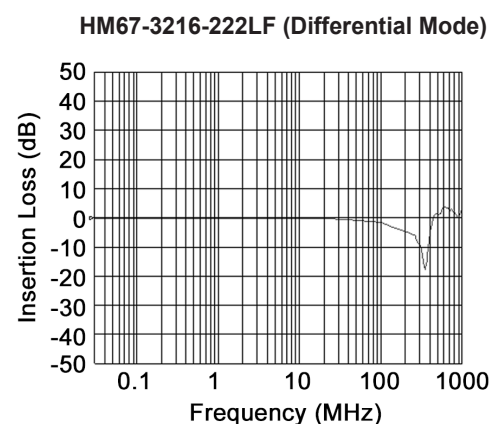
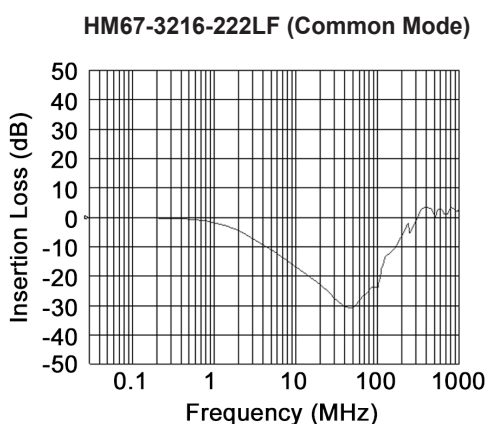
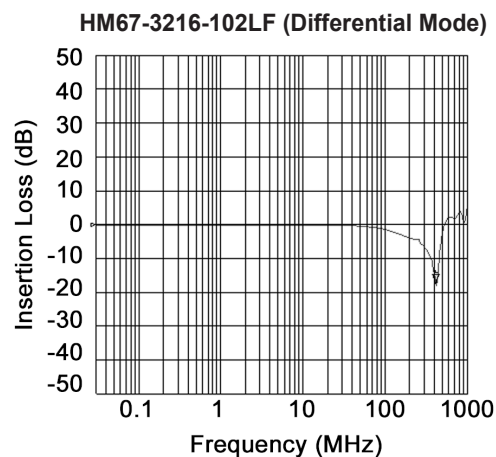
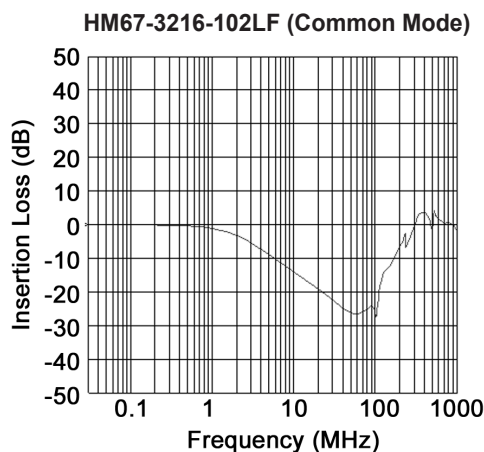
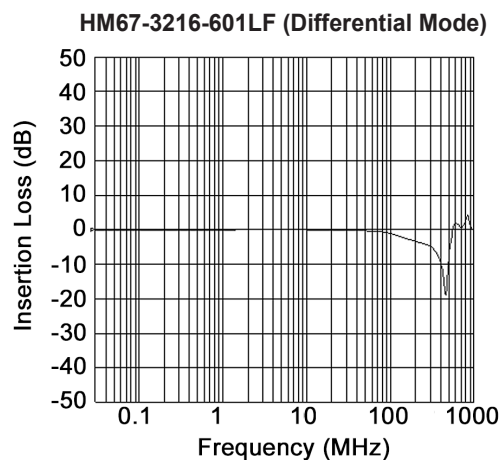
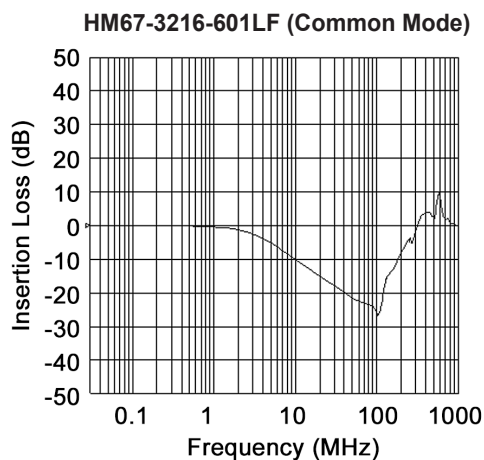
## Electrical Characteristics @ 25°C (Cont'd)

### (B) Insertion Loss vs. Frequency Graphs



## Electrical Characteristics @ 25°C (Cont'd)

### (B) Insertion Loss vs. Frequency Graphs (Cont'd)



## Ordering Information

|                  |                                                                                     |           |            |                                         |
|------------------|-------------------------------------------------------------------------------------|-----------|------------|-----------------------------------------|
| Model Series     | <b>HM67 - 3216 - 900</b>                                                            | <b>LF</b> | <b>TR7</b> | TR - Tape & Reel Packing<br>7 - 7" reel |
| Size             |                                                                                     |           |            |                                         |
| Inductance Code: |                                                                                     |           |            | Lead-Free                               |
|                  | First 2 digits are significant.<br>Last digit denotes the number of trailing zeros. |           |            |                                         |