

Coaxial  
**High Pass Filter**

**ZX75HP-225+**

50Ω      360 to 3000 MHz



CASE STYLE: KE1467

### The Big Deal

- Low insertion loss
- High rejection
- Connectorized package

### Product Overview

ZX75HP-225+ is a High pass filter in a rugged connectorized package covering 360 to 3000 MHz. This filter will find its application in TV Broadcast, point-to-point military radio and cordless telephones. It has repeatable performance across production lots and consistent performance across temperature.

### Key Features

| Feature               | Advantages   |
|-----------------------|--|
| Low insertion loss    | Can be used in high performance applications.  |
| Good rejection        | This enables the filter to attenuate spurious signals and reject harmonics for broad band frequency. |
| Connectorized package | The connectorized package is easy to interface with other devices and well suited for test setups.   |

#### Notes

A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.  
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# High Pass Filter

ZX75HP-225+

50Ω 360 to 3000 MHz



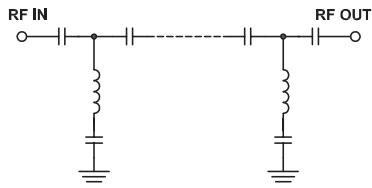
## Features

- Wide band, 360 MHz to 3000 MHz
- High rejection
- Connectorized package

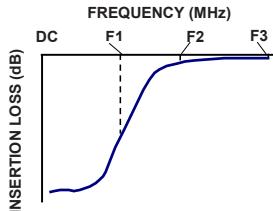
## Applications

- TV Broadcast
- Point-to-point military radio
- Cordless telephones

## Functional Schematic



## Typical Frequency Response



| Maximum Ratings       |                |
|-----------------------|----------------|
| Operating Temperature | -40°C to 85°C  |
| Storage Temperature   | -55°C to 100°C |
| RF Power Input        | 0.5 W.         |

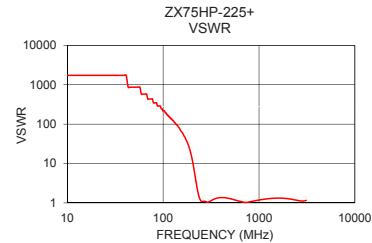
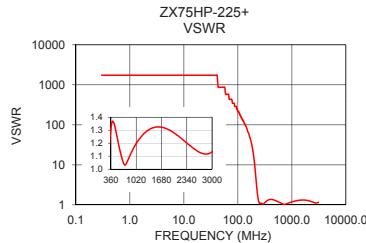
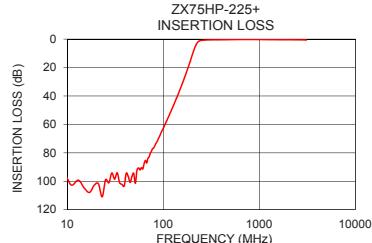
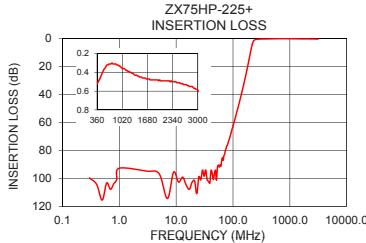
Permanent damage may occur if any of these limits are exceeded.

## Typical Performance Data at 25°C

| Frequency (MHz) | Insertion Loss (dB) | VSWR (:1) |
|-----------------|---------------------|-----------|
| 0.30            | 99.73               | 1737.18   |
| 65.19           | 85.29               | 579.06    |
| 91.27           | 68.46               | 289.53    |
| 129.39          | 45.72               | 115.81    |
| 159.00          | 30.71               | 60.40     |
| 191.57          | 15.17               | 20.70     |
| 209.63          | 7.23                | 7.20      |
| 215.65          | 5.09                | 4.72      |
| 225.00          | 2.74                | 2.53      |
| 245.74          | 1.01                | 1.16      |
| 300.00          | 0.57                | 1.06      |
| 360.00          | 0.52                | 1.31      |
| 525.00          | 0.38                | 1.24      |
| 800.00          | 0.31                | 1.07      |
| 1350.00         | 0.43                | 1.30      |
| 1750.00         | 0.48                | 1.32      |
| 2275.00         | 0.50                | 1.22      |
| 2575.00         | 0.52                | 1.15      |
| 2900.00         | 0.57                | 1.12      |
| 3000.00         | 0.59                | 1.13      |

### +RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications



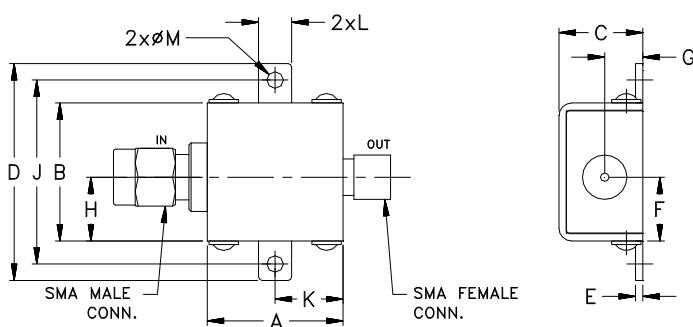
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**Coaxial Connections**

|        |            |
|--------|------------|
| INPUT  | SMA-Male   |
| OUTPUT | SMA-Female |

**Outline Drawing****Outline Dimensions ( inch )**

| A     | B     | C     | D     | E    | F    | G    |
|-------|-------|-------|-------|------|------|------|
| 0.74  | .75   | .46   | 1.18  | .04  | .349 | .21  |
| 18.80 | 19.05 | 11.68 | 29.97 | 1.02 | 8.86 | 5.33 |

| H    | J     | K    | L    | M    | wt    |
|------|-------|------|------|------|-------|
| .349 | 1.00  | .37  | .18  | .09  | grams |
| 8.86 | 25.40 | 9.40 | 4.57 | 2.29 | 24.4  |

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