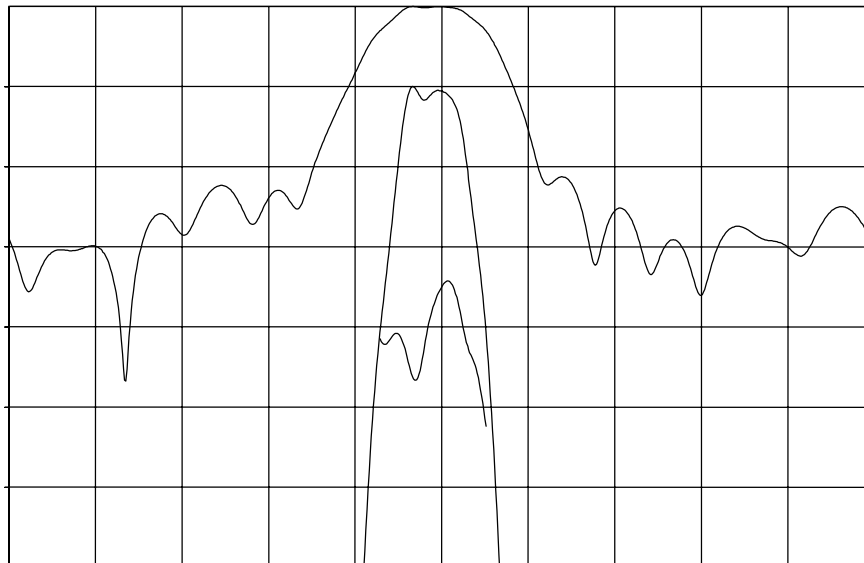




## TYPICAL PERFORMANCE



Horizontal: 1.0 MHz/div

Vertical (from top): Magnitude  
Magnitude  
Phase

10 dB/div  
1 dB/div  
5 deg/div

## SPECIFICATION

| Parameter                          | Min    | Typ    | Max    | Units   |
|------------------------------------|--------|--------|--------|---------|
| Center Frequency (Fc) <sup>1</sup> | 899.90 | 900.00 | 900.10 | MHz     |
| Insertion Loss                     |        | 7.9    | 9.0    | dB      |
| 3 dB Bandwidth                     | 1.00   | 1.21   |        | MHz     |
| 20 dB Bandwidth                    |        | 2.65   |        | MHz     |
| Phase Linearity (in 3 dB BW)       |        | 8      | 10     | deg p-p |
| Phase Slope (in 3 dB BW)           |        | 360    |        | deg     |
| Insertion Phase <sup>2</sup>       |        | 0      |        | deg     |
| Turn Over Temperature              | 35     | 45     | 55     | ° C     |
| Source and Load Impedance          |        | 50     |        | Ω       |
| Input Power                        |        | +10    | +15    | dBm     |
| Operating Temperature Range        | -30    |        | 100    | ° C     |

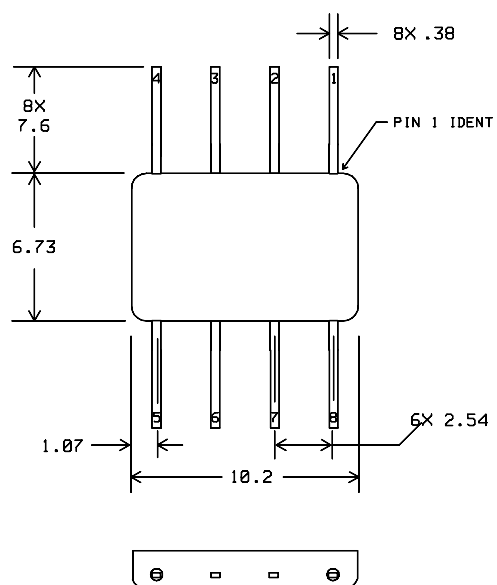
Notes: 1. Any specified bandwidths are referenced to this frequency.  
2. Parameter measured at Fc.



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Technical drawing of a 1/2 inch diameter ball bearing. The drawing shows a cross-section of the bearing with the following dimensions and features:

- Overall diameter: 1.02
- Overall length: 2.80
- Internal features: A series of small squares representing the internal structure of the bearing.
- Color IDent Bead or Dimple in Case: A feature on the outer surface of the bearing, indicated by a leader line.
- 8 x .25: A dimension indicating the width of the bearing's flange.



Input: 4  
Input Return: 5  
Output: 8  
Output Return: 1  
Ground: 2,3,6,7

(minimum inductor Q = 45)

- Notes - Requires 2% matching components.  
- Component values may change depending on board layout.

**ISO 9001  
Registered**

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