

# "High Frequency Ceramic Solutions"

## 400 MHz EMI Filter Array

P/N 0400FA15A0400

Detail Specification: 11/05/08

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### General Specifications

|                              |               |
|------------------------------|---------------|
| Part Number                  | 0400FA15A0400 |
| Cut Off Frequency (Mhz)      | 400           |
| Capacitance (+30/-30%) (pF)  | 18            |
| 20 dB min. Attenuation (Mhz) | 800 - 1000    |
| Rated Current (mA)           | 50            |
| Rated Voltage (VDC)          | 25            |

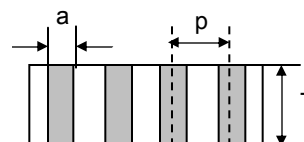
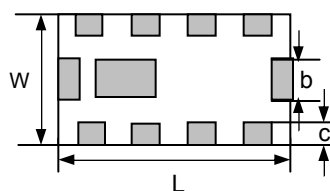
|                       |  |
|-----------------------|--|
| Power Capacity        | 0.5 W max.                                       |
| Reel Quantity         | 4,000  |
| Operating Temperature | -40 to +85°C                                     |
| Storage Temperature   | +5 to +35°C, Humidity:<br>45-75%RH, 12 mos. Max* |

\* 12 months in vacuum sealed bag and 1 week after opened.

|               |                   |            |               |                              |
|---------------|-------------------|------------|---------------|------------------------------|
| P/N<br>Suffix | Packaging Style   | Bulk       | Suffix = S    | Eg. 0400FA15A0400S           |
|               |                   | T & R      | Suffix = E    | Eg. 0400FA15A0400E           |
|               | Termination Style | 100% Tin   | Suffix = None | Eg. 0400FA15A0400(E or S)    |
|               |                   | Tin / Lead | Suffix = /Pb  | Eg. 0400FA15A0400(E or S)/Pb |

### Mechanical Dimensions

|   | In                 | mm              |
|---|--------------------|-----------------|
| L | 0.079 ± 0.008      | 2.00 ± 0.20     |
| W | 0.049 ± 0.008      | 1.25 ± 0.20     |
| T | 0.028 ± 0.006      | 0.70 ± 0.15     |
| a | 0.010 ± 0.004      | 0.25 ± 0.10     |
| b | 0.012 ± 0.006      | 0.30 ± 0.15     |
| c | 0.008 +.004/-0.006 | 0.20 +0.1/-0.15 |
| p | 0.020 ± 0.004      | 0.50 ± 0.10     |

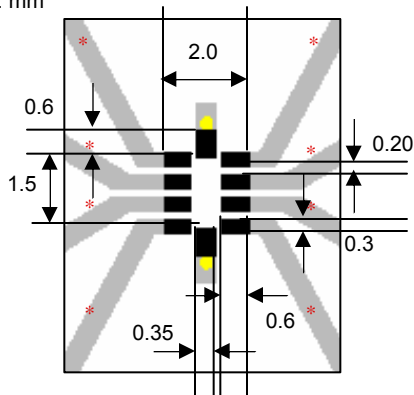





### Mounting Considerations

Mount these devices with brown mark facing up.

Line width should be designed to provide 50Ω impedance matching characteristics.

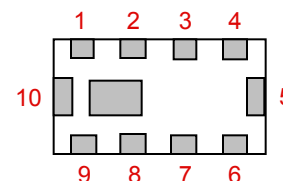
Units: mm



-  Solder Resist
-  Land
-  Through-hole ( $\phi$  0.25)

### Terminal Configuration

| No. | Function |
|-----|----------|
| 1   | IN1      |
| 2   | IN2      |
| 3   | IN3      |
| 4   | IN4      |
| 5   | GND      |
| 6   | OUT4     |
| 7   | OUT3     |
| 8   | OUT2     |
| 9   | OUT1     |
| 10  | GND      |



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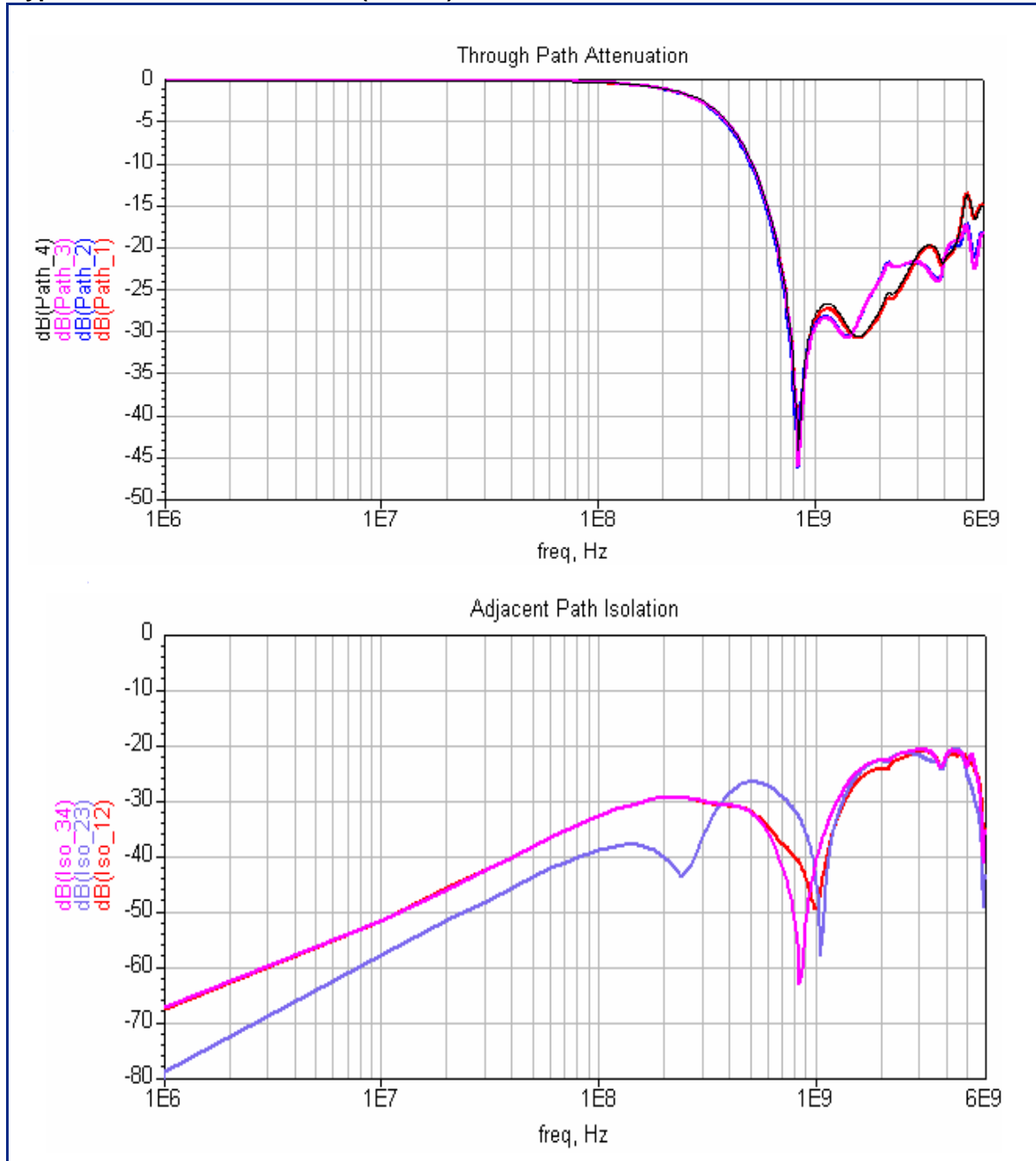
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## Typical Electrical Performance (T=25°C)



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