

"High Frequency Ceramic Solutions"

890 / 1850 MHz Diplexer (Enhanced Harmonic Rejection Type) P/N 0892DP14B1850

Detail Specification: 08/02/04

Page 1 of 2

General Specifications

| | | |
|--------------------------------------|---------------|-------------|
| Part Number | 0892DP14B1850 | |
| Frequency (MHz) | 824 - 960 | 1710 - 1990 |
| Attenuation in Low Band Path | 0.6 dB max. | 15 dB min. |
| Attenuation in High Band Path | 20 dB min. | 0.9 dB max. |
| Pass-band Return Loss | 9.5 dB min. | 9.5 dB min. |

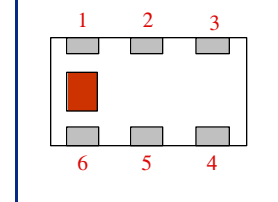
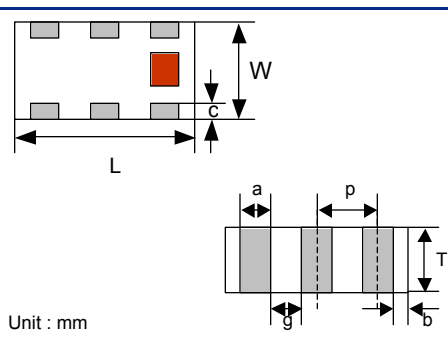
| | |
|-------------------------------------|--------------|
| Input Power | 3 Watts max. |
| Impedance | 50 Ω |
| Operating & Storage Temp | -40 to +85°C |
| Reel Quantity | 4,000 |

Terminal Configuration

| No. | Function |
|-----|------------------------|
| 1 | Lower Freq. Port (P3) |
| 2 | GND |
| 3 | Higher Freq. Port (P1) |
| 4 | GND |
| 5 | Common Port (P2) |
| 6 | GND |

Mechanical Dimensions

| | In | mm |
|----------|--------------------|-----------------|
| L | 0.063 ± 0.004 | 1.60 ± 0.10 |
| W | 0.031 ± 0.004 | 0.80 ± 0.10 |
| T | 0.024 ± 0.004 | 0.60 ± 0.10 |
| a | 0.008 ± 0.004 | 0.20 ± 0.10 |
| b | 0.008 +.004/-0.006 | 0.20 +0.1/-0.15 |
| c | 0.006 ± 0.004 | 0.15 ± 0.10 |
| g | 0.012 ± 0.004 | 0.30 ± 0.10 |
| p | 0.020 ± 0.002 | 0.50 ± 0.05 |

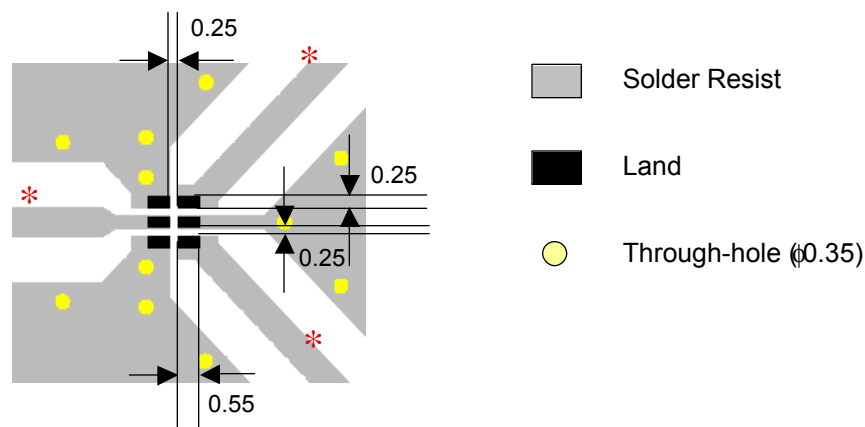


Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



Johanson Technology, Inc. reserves the right to make design changes without notice.
All sales are subject to Johanson Technology, Inc. terms and conditions.

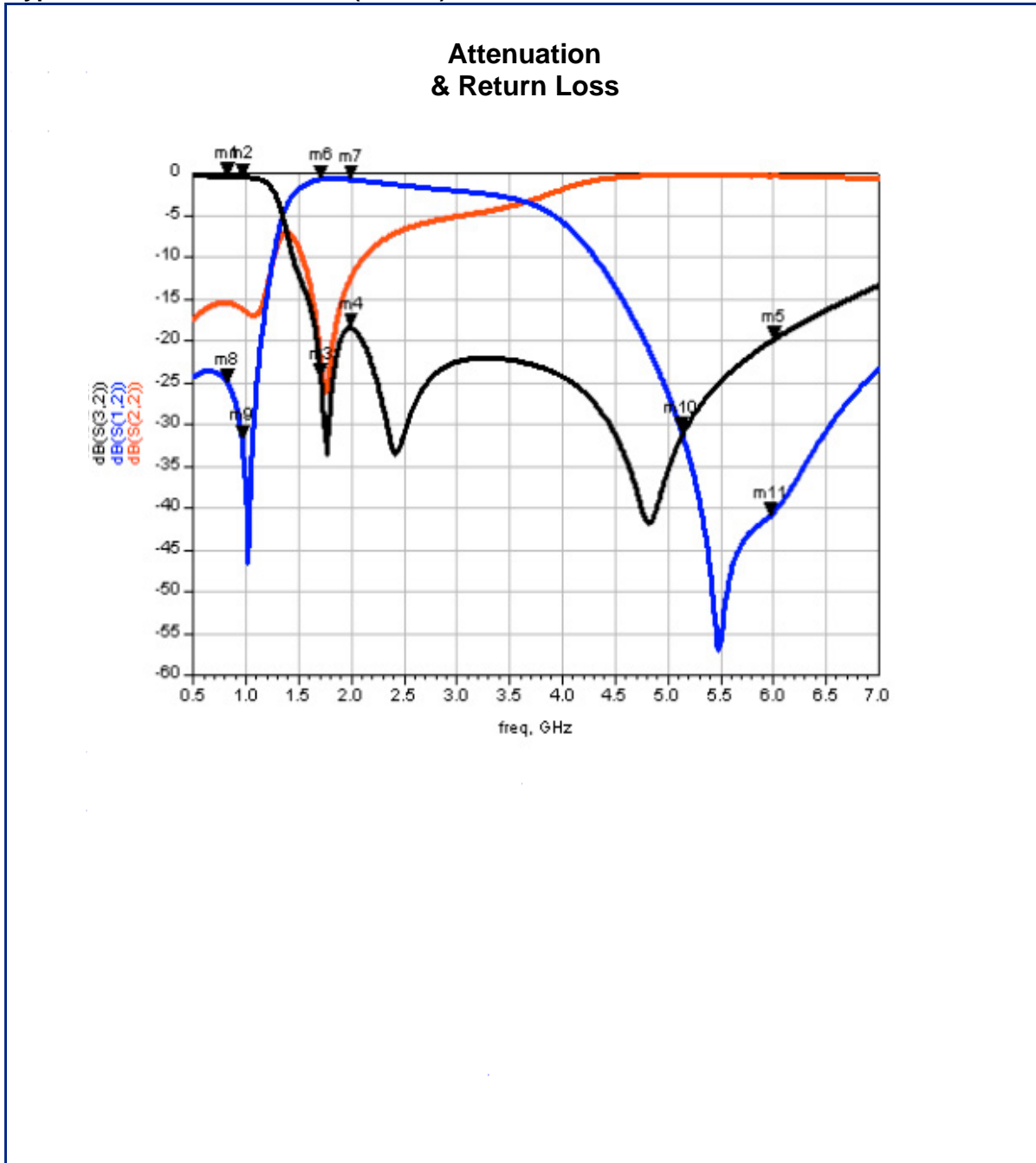
"High Frequency Ceramic Solutions"

890 / 1850 MHz Diplexer (Enhanced Harmonic Rejection Type) P/N 0892DP14B1850

Detail Specification: 08/02/04

Page 2 of 2

Typical Electrical Performance (T=25°C)



Johanson Technology, Inc. reserves the right to make design changes without notice.

All sales are subject to Johanson Technology, Inc. terms and conditions.



www.johansontechnology.com

931 Via Alondra • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

2003 Johanson Technology, Inc. All Rights Reserved