

"High Frequency Ceramic Solutions"

Preliminary

892 / 1850 MHz Diplexer

P/N 0892DP15B1850

Detail Specification: 08/22/08

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General Specifications

Part Number	0892DP15B1850
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Passband (MHz)	Insertion Loss	Attenuation I	Attenuation II	Attenuation III	Attenuation IV
824 - 960	1.3 max.	16 dB min. @ 1628 - 1830 MHz	30 dB min. @ 2472 - 2745 MHz	27 dB min. @ 3296 - 4575 MHz	--
1710 - 1990	1.35 max.	18 dB min. @ 824 - 960 MHz	20 dB min. @ 3420 - 3820 MHz	27 dB min. @ 5130 - 5730 MHz	15 dB min. @ 6840 - 9550 MHz

Return Loss	9.5 min.
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MSL	2 *
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* - 1 yr shelf life in bag; 1 week shelf life out of bag; Vacuum reseal unused reel

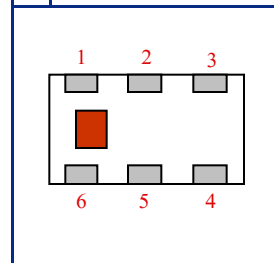
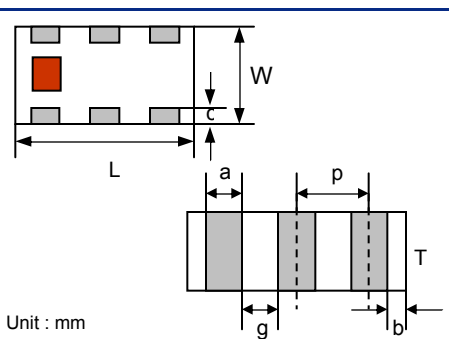
Input Power	2 Watts max.
Impedance	50 Ω
Reel Quantity	4000
Operating Temp	-40 to +85°C
Storage Temp	+5 ~ +35°C, Humidity: 45~75%RH, 12 mos. Max

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	0.079 ± 0.004	2.00 ± 0.10
W	0.049 ± 0.004	1.25 ± 0.10
T	0.016 ± 0.004	0.40 ± 0.10
a	0.012 ± 0.004	0.30 ± 0.10
b	0.008 ± 0.004	0.20 ± 0.10
c	0.012 +.004/-0.008	0.30 +0.1/-0.2
g	0.014 ± 0.004	0.35 ± 0.10
p	0.026 ± 0.002	0.65 ± 0.05

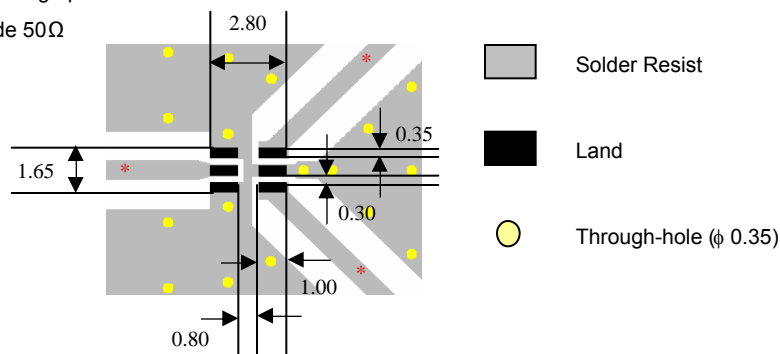


Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



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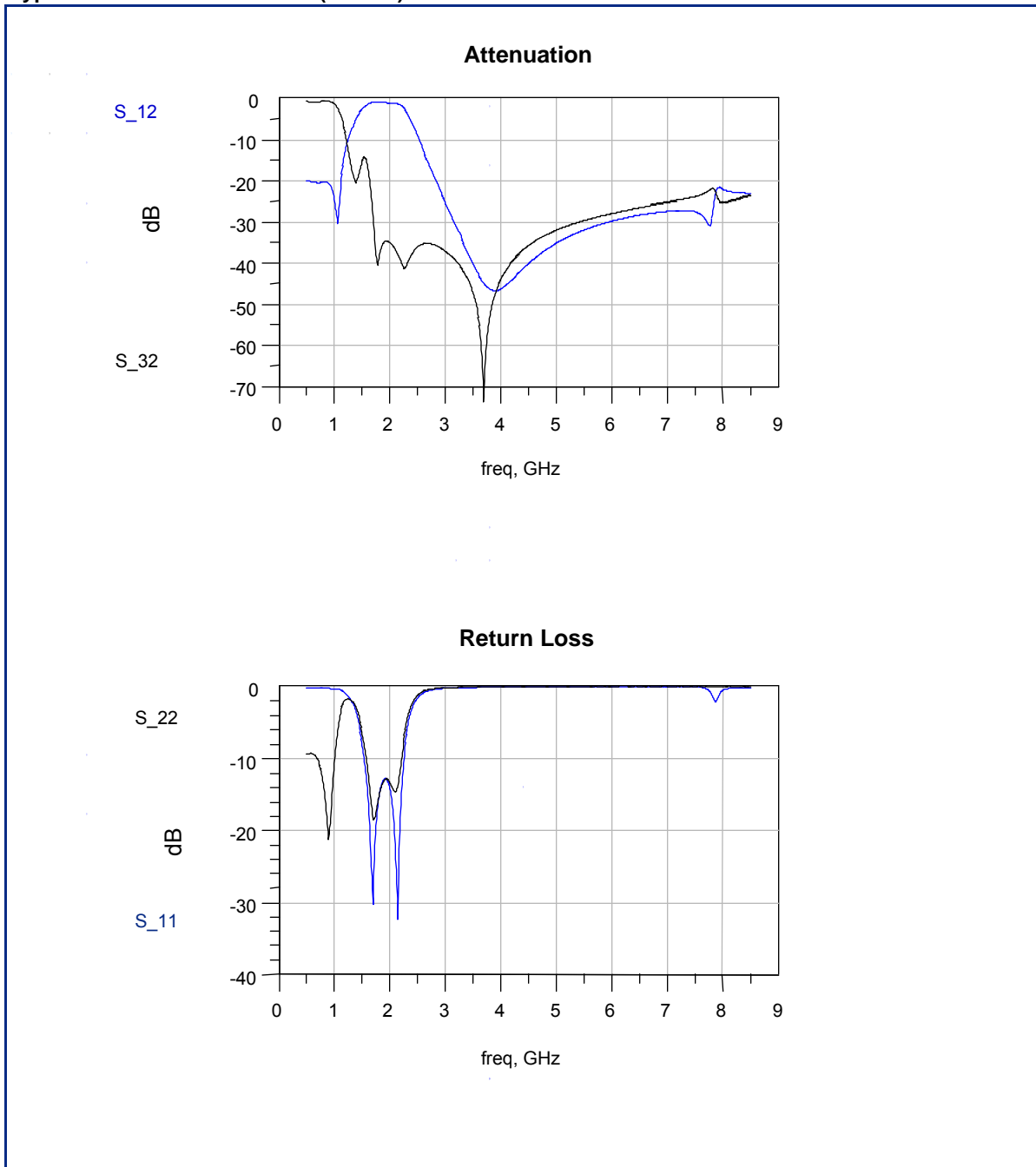
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Typical Electrical Performance (T=25°C)



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