



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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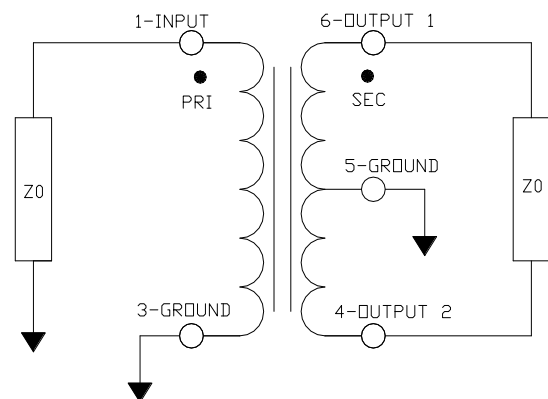
Electrical Specifications: $T_A = 25^\circ\text{C}$, 0dBm , $Z_0 = 75\Omega$, $P_{in} = 0\text{dBm}$

Parameter	Test Conditions	Units	Min	Typ	Max
Insertion Loss	5 - 60 MHz	dB	-	0.3	0.6
	60 - 150 MHz	dB	-	0.4	0.8
	150 - 200 MHz	dB	-	0.7	1.0
Amplitude Unbalance (Nominal 0dB)	5 - 60 MHz	dB	-	0.0	± 0.1
	60 - 200 MHz	dB	-	0.2	± 0.4
Phase Unbalance (Nominal 180°)	5 - 60 MHz	°	-	0.1	± 2.0
	60 - 200 MHz	°	-	0.3	± 4.0
Input Return Loss	5 - 60 MHz	dB	22	31	-
	60 - 200 MHz	dB	14	17	-

Recommended Maximum Ratings

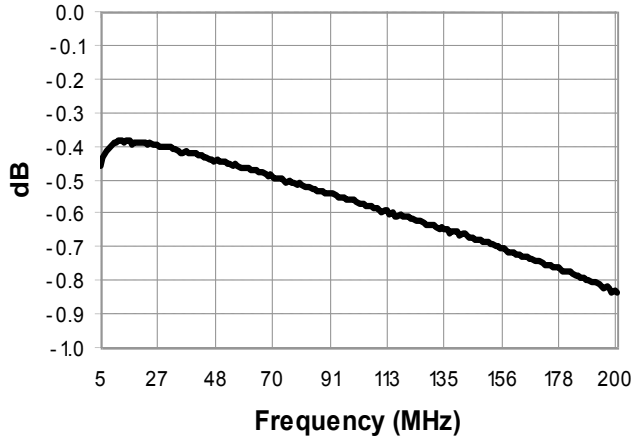
Parameter	Value
Input power	+28dBm (631mW)
DC current (tested at 5V)	600mA
Operating Temperature	-40°C to +100°C
Storage Temperature	-55°C to +100°C

Application Circuit

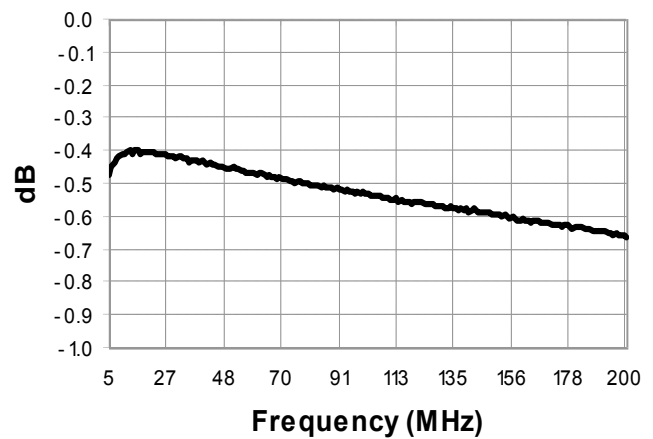


Typical Performance Curves: $T_A = 25^\circ\text{C}$, 0dBm , $Z_0 = 75\Omega$, $P_{in} = 0\text{dBm}$

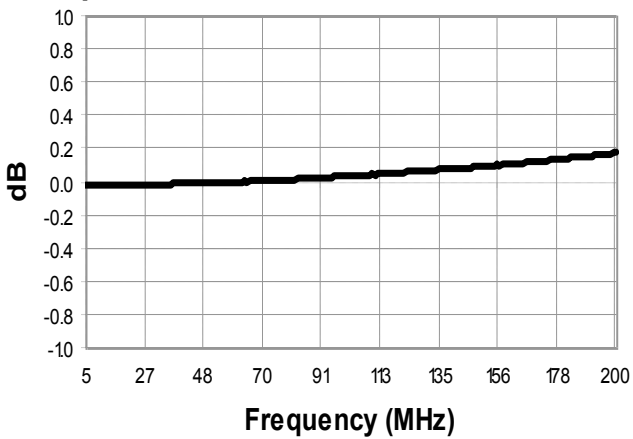
Insertion Loss 1: (Pin 1 to 6)



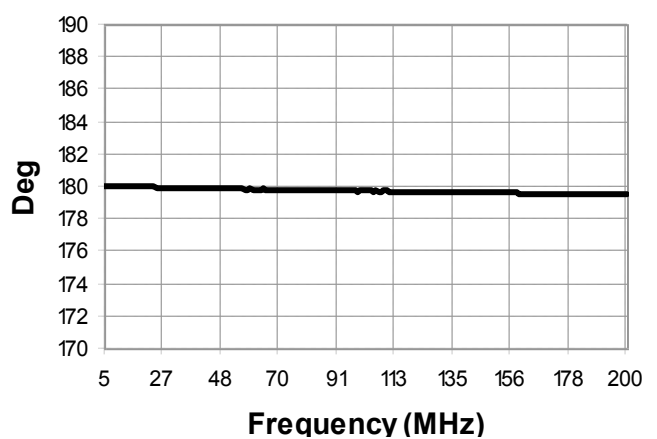
Insertion Loss 2: (Pin 1 to 4)



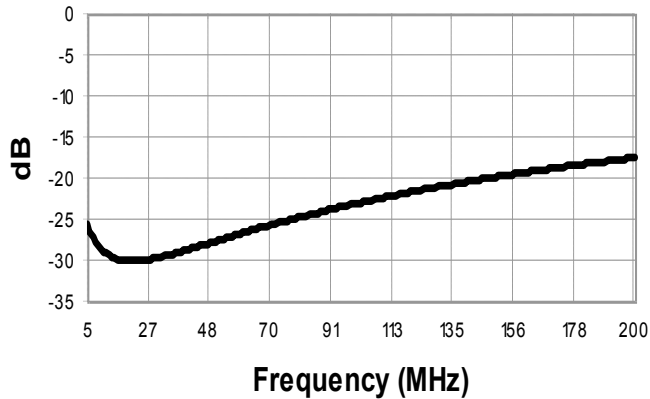
Amplitude Balance



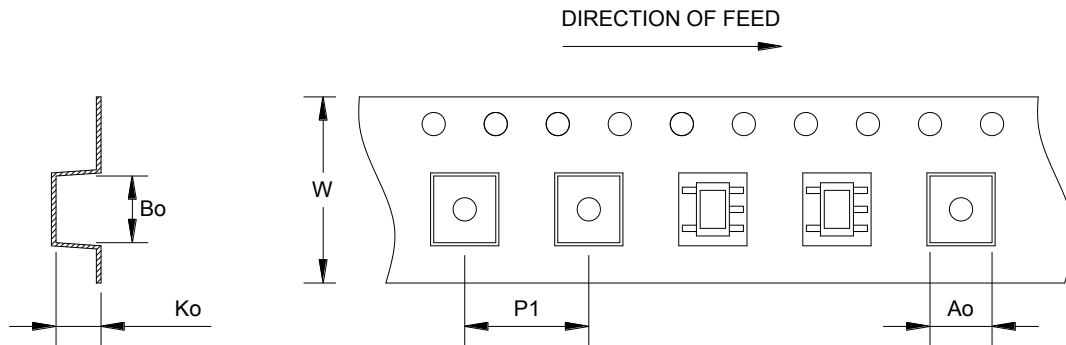
Phase Balance



Return Loss: Input



Tape & Reel Information



Item	Dimension
Ao	5.60mm +/- 0.1mm
Bo	4.50mm +/- 0.1mm
Ko	4.00mm +/- 0.1mm
W	12.00mm +/- 0.3mm
P1	8.00mm +/- 0.1mm

Ordering Information

Part number	Description
MABA-009594-CF18A0	2000 piece reel
MABA-009594-CF18TB	Customer Test Board

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