

3 Way 0 Degree Power Divider 5 to 1200 MHz

M/A-COM Products
Part Status: Released, Rev. V2

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

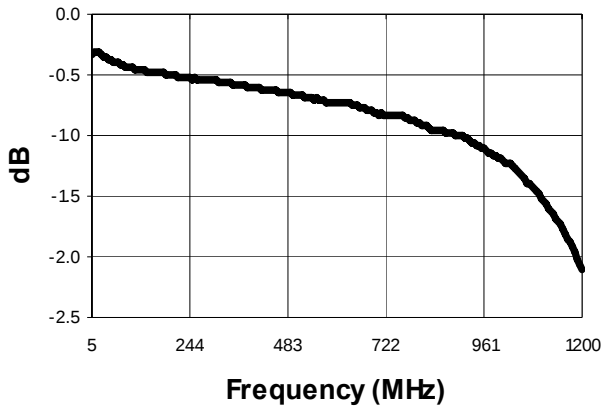
Parameter	Frequency	Units	Min	Typ	Max
Insertion Loss 1 (pin8 - pin1) * Ref value -4.77dB	5 - 46 MHz	dB	-	0.37	0.39
	46 - 870 MHz	dB	-	1.23	1.5
	870 - 1002 MHz	dB	-	1.50	1.8
	1002 - 1200 MHz	dB	-	2.23	3.2
Insertion Loss 2 (pin8 - pin4) * Ref value -4.77dB	5 - 46 MHz	dB	-	0.37	0.39
	46 - 870 MHz	dB	-	1.0	1.3
	870 - 1002 MHz	dB	-	1.2	1.5
	1002 - 1200 MHz	dB	-	2.0	2.8
Insertion Loss 3 (pin8 - pin5) * Ref value -4.77dB	5 - 46 MHz	dB	-	0.38	0.40
	46 - 870 MHz	dB	-	1.5	1.8
	870 - 1002 MHz	dB	-	1.8	2.2
	1002 - 1200 MHz	dB	-	2.8	3.3
Input Return Loss *	5 - 46 MHz	dB	33	34	-
	46 - 405MHz	dB	20	25	-
	405 - 1002 MHz	dB	17.5	20	-
	1002 - 1200 MHz	dB	11	18	-
Output Return Loss 1&2 (Pin1, Pin4)	5 - 46 MHz	dB	22	24	-
	46 - 1200 MHz	dB	20	25	-
Output Return Loss 3 (Pin5) *	5 - 46 MHz	dB	22	24	-
	46 - 740 MHz	dB	20	20	-
	740 - 1002 MHz	dB	17	25	-
	1002 - 1200 MHz	dB	14	18	-
Isolation Between all Outputs	5 - 46 MHz	dB	34	40	-
	46 - 1002 MHz	dB	20	25	-
	1002 - 1200 MHz	dB	18	24	-
Amplitude Unbalance, Output 1 to Output 2 (pin 1, 4)	5 - 46 MHz	dB	-	0.0	-0.1
	46 - 1002 MHz	dB	-	0.3	0.5
Amplitude Unbalance, Output 1 to Output 3 (pin 1, 5) & Output 2 to Output 3 (pin 4, 5)	5 - 46 MHz	dB	-	-0.1	-0.2
	46 - 1002 MHz	dB	-	-0.3	-0.5
Phase Unbalance between all Outputs	5 - 50 MHz	°	-	0.4	0.5
	50 - 1200 MHz	°	-	3.0	4.0

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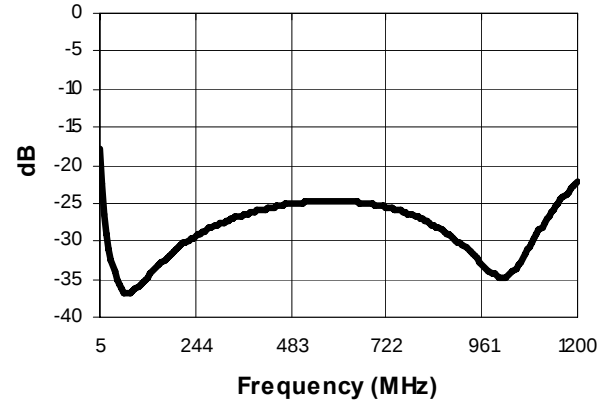
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Typical Performance Curves @ $T_A = 25^\circ\text{C}$, $Z_0 = 75\Omega$

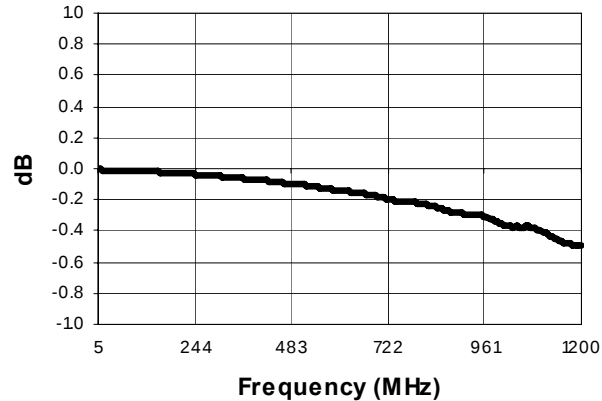
Insertion Loss



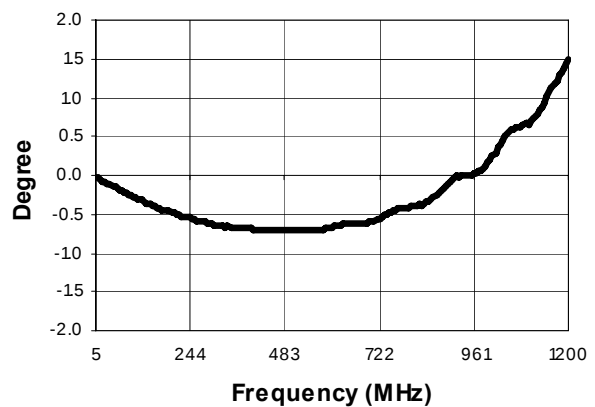
Isolation



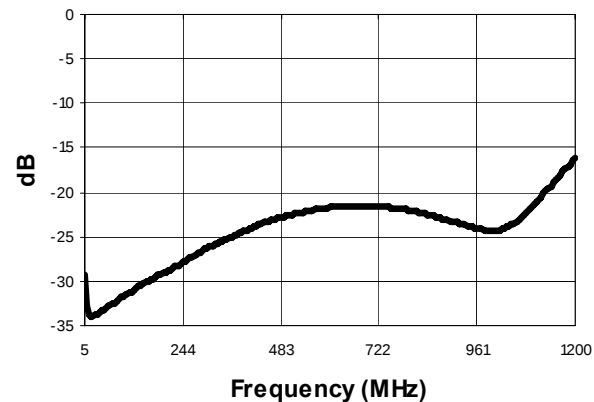
Amplitude Balance



Phase Balance



Return Loss: Input



Return Loss: Output

