



**TYPICAL PROPOSED
CHARACTERISTICS FOR
BROADBAND EQUALIZER
4-40 GHz**



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PROPOSED BY:
PMI



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PROPOSED SPECIFICATIONS

ITEM NO.	PARAMETERS	SPECIFIED VALUE
1	Frequency	4 to 24 GHz 4 to 40 GHz(Goal)
	Insertion loss	6.3 dB @ 4 GHz ± 0.5 dB
		2.3 dB @ 8 GHz ± 0.5 dB
2		2.5 dB @ 8 - 24 GHz 2.5 dB @ 8-40 GHz Goal
3	Input VSWR	1.7:1 Max
4	Output VSWR	1.7:1 Max
5	Slope	4 dB @ 4- 8 GHz ± 0.5 dB
7	Impedance	50 Ω .
8	Temperature	-40 to +85 deg C
9	Max Power	20 dBm CW Maximum
10	Input and Output	2.92mm Connector
11	Size	0.14" X0.47" X0.4"

Note: SIZE IS EXCLUDING CONNECTORS



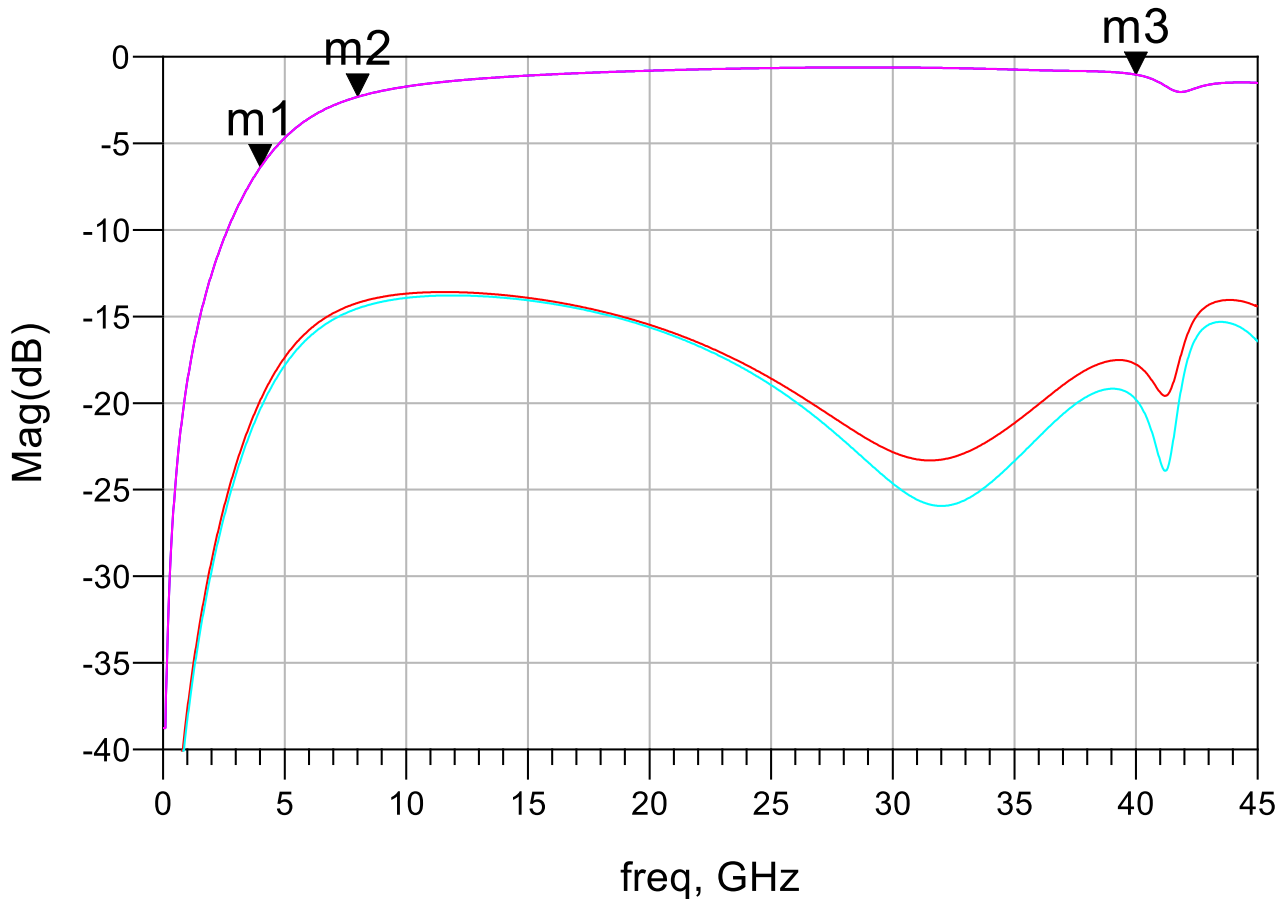
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TYPICAL PERFORMANCE OF EQUALIZER

m1
freq=4.000GHz
dB(S(1,2))=-6.386

m2
freq=8.000GHz
dB(S(1,2))=-2.316

m3
freq=40.00GHz
dB(S(1,2))=-1.037



NOTE: THIS DESIGN USES TWO 50 OHM RESISTORS, SOLDERING THIS RESISTOR MAY AFFECT THE HIGH FREQUENCY PERFORMANCE. SO, AFTER PROTOTYPE ONLY, SPEC AT 24 – 40 GHz CAN BE CONFIRMED.