

Filter Summary Report: DIVIDER,Test,simple,Z2,ZL

Generated by MacAnalog-Symbolix

December 20, 2024

Contents

1	Examined $H(z)$ for DIVIDER Test simple Z2 ZL: $-\frac{InZ_L}{0-Vip}$	2
2	HP	2
3	BP	2
4	LP	2
5	BS	2
6	GE	2
7	AP	2
8	INVALID-NUMER	2
9	INVALID-WZ	2
10	INVALID-ORDER	2
10.1	INVALID-ORDER-1 $Z(s) = (\infty, R_2, R_L)$	2
10.2	INVALID-ORDER-2 $Z(s) = (\infty, R_2, L_Ls)$	2
10.3	INVALID-ORDER-3 $Z(s) = \left(\infty, R_2, \frac{1}{C_Ls}\right)$	2
10.4	INVALID-ORDER-4 $Z(s) = (\infty, L_2s, R_L)$	2
10.5	INVALID-ORDER-5 $Z(s) = (\infty, L_2s, L_Ls)$	3
10.6	INVALID-ORDER-6 $Z(s) = \left(\infty, L_2s, \frac{1}{C_Ls}\right)$	3
10.7	INVALID-ORDER-7 $Z(s) = \left(\infty, \frac{1}{C_2s}, R_L\right)$	3
10.8	INVALID-ORDER-8 $Z(s) = \left(\infty, \frac{1}{C_2s}, L_Ls\right)$	3
10.9	INVALID-ORDER-9 $Z(s) = \left(\infty, \frac{1}{C_2s}, \frac{1}{C_Ls}\right)$	3
11	PolynomialError	3

1 Examined $H(z)$ for DIVIDER Test simple Z2 ZL: $\infty \operatorname{sign}\left(\frac{Iin}{0-Vip}\right)$

$$H(z) = \infty \operatorname{sign}\left(\frac{Iin}{0-Vip}\right)$$

2 HP

3 BP

4 LP

5 BS

6 GE

7 AP

8 INVALID-NUMER

9 INVALID-WZ

10 INVALID-ORDER

10.1 INVALID-ORDER-1 $Z(s) = (\infty, R_2, R_L)$

$$H(s) = \infty \operatorname{sign}\left(\frac{Iin}{0-Vip}\right)$$

10.2 INVALID-ORDER-2 $Z(s) = (\infty, R_2, L_Ls)$

$$H(s) = \infty \operatorname{sign}\left(\frac{Iin}{0-Vip}\right)$$

10.3 INVALID-ORDER-3 $Z(s) = \left(\infty, R_2, \frac{1}{C_Ls}\right)$

$$H(s) = \infty \operatorname{sign}\left(\frac{Iin}{0-Vip}\right)$$

10.4 INVALID-ORDER-4 $Z(s) = (\infty, L_2s, R_L)$

$$H(s) = \infty \operatorname{sign}\left(\frac{Iin}{0-Vip}\right)$$

10.5 INVALID-ORDER-5 $Z(s) = (\infty, \ L_2s, \ L_Ls)$

$$H(s) = \infty \operatorname{sign}\left(\frac{In}{0 - Vip}\right)$$

10.6 INVALID-ORDER-6 $Z(s) = \left(\infty, \ L_2s, \ \frac{1}{C_Ls}\right)$

$$H(s) = \infty \operatorname{sign}\left(\frac{In}{0 - Vip}\right)$$

10.7 INVALID-ORDER-7 $Z(s) = \left(\infty, \ \frac{1}{C_2s}, \ R_L\right)$

$$H(s) = \infty \operatorname{sign}\left(\frac{In}{0 - Vip}\right)$$

10.8 INVALID-ORDER-8 $Z(s) = \left(\infty, \ \frac{1}{C_2s}, \ L_Ls\right)$

$$H(s) = \infty \operatorname{sign}\left(\frac{In}{0 - Vip}\right)$$

10.9 INVALID-ORDER-9 $Z(s) = \left(\infty, \ \frac{1}{C_2s}, \ \frac{1}{C_Ls}\right)$

$$H(s) = \infty \operatorname{sign}\left(\frac{In}{0 - Vip}\right)$$

11 PolynomialError