

Supplementary Material

1 SUPPLEMENTARY FIGURES

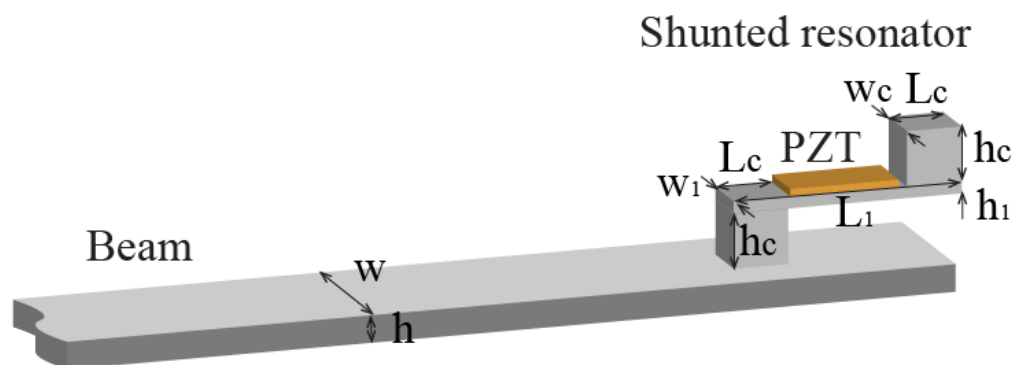


Figure S1. Geometry of the designed tunable absorber.

2 SUPPLEMENTARY TABLES

Table S1. Geometric parameters of the LR-shunted resonator.

Length (mm)	Width (mm)	Height (mm)
L_1	21	w_1
L_c	5	w_c
		h_c

Table S2. Circuit parameters for the LR-shunted tunable perfect absorption in simulation.

Optimized frequency (kHz)	L (H)	R (Ω)
1.50	7.80	1935.78
1.75	5.80	4170.71
2.00	4.67	3680.78
2.25	3.74	1870.52
2.50	3.02	1063.70

Table S3. Circuit parameters for the NC-LR broadband absorber in simulation.

Optimized frequency (kHz)	L (H)	R (Ω)	R' (Ω)
1.50	47.28	4468.24	2656.69
1.70	38.07	4450.08	5132.17