

## Piezoelectric Buzzer Elements



### External-Drive Type

Model No.	Resonant Frequency (KHz)	Resonant Impedance ( $\Omega$ max.)	Capacity (pF)	Dimensions(mm)				Metal Plate Material
				D	d	T	t	
PWE-12B12	12.0 $\pm$ 1.0	1,500	4,500 $\pm$ 30%	12.0	8	0.33	0.15	Brass
PWE-12B49	4.9 $\pm$ 1.0	500	15,000 $\pm$ 30%	12.0	9	0.12	0.05	Brass
PWE-15B58	5.8 $\pm$ 0.5	500	10,000 $\pm$ 30%	15.0	10	0.23	0.10	Brass
PWE-15B40	4.0 $\pm$ 0.5	1,500	10,000 $\pm$ 30%	15.0	10	0.17	0.05	Brass
PWE-15B91	9.1 $\pm$ 1.0	500	7,000 $\pm$ 30%	15.0	10	0.38	0.20	Brass
PWE-20B38	3.8 $\pm$ 0.5	200	25,000 $\pm$ 30%	20.0	15	0.28	0.15	Brass
PWE-20B41	4.1 $\pm$ 0.5	300	17,000 $\pm$ 30%	20.0	15	0.28	0.10	Brass
PWE-20B64	6.4 $\pm$ 0.5	200	12,000 $\pm$ 30%	20.0	15	0.43	0.20	Brass
PWE-27B10	10.5 $\pm$ 1.0	500	12,000 $\pm$ 30%	27.0	15	0.48	0.25	Brass
PWE-27B20	2.0 $\pm$ 0.3	300	45,000 $\pm$ 30%	27.0	20	0.23	0.10	Brass
PWE-27B28	2.8 $\pm$ 0.5	300	30,000 $\pm$ 30%	27.0	20	0.33	0.15	Brass
PWE-27B44	4.4 $\pm$ 0.5	200	18,000 $\pm$ 30%	27.0	20	0.53	0.25	Brass
PWE-31A13	1.3 $\pm$ 0.3	800	43,000 $\pm$ 30%	31.0	20	0.23	0.10	42 Alloy
PWE-35B18	1.8 $\pm$ 0.5	250	50,000 $\pm$ 30%	35.0	25	0.33	0.15	Brass
PWE-35B26	2.6 $\pm$ 0.5	200	30,000 $\pm$ 30%	35.0	25	0.53	0.25	Brass
PWE-35B29	2.9 $\pm$ 0.5	200	30,000 $\pm$ 30%	35.0	25	0.58	0.30	Brass
PWE-41B07	0.7 $\pm$ 0.3	1,500	70,000 $\pm$ 30%	41.0	25	0.23	0.10	Brass
PWE-41A08	0.8 $\pm$ 0.3	1,000	70,000 $\pm$ 30%	41.0	25	0.23	0.10	42 Alloy
PWE-50B28	2.8 $\pm$ 0.5	200	35,000 $\pm$ 30%	50.0	25	0.43	0.20	Brass

### Self-Drive Type

Model No.	Resonant Frequency (KHz)	Resonant Impedance ( $\Omega$ max.)	Capacity at 1KHz (pF)	Dimensions(mm)				Metal Plate Material
				D	d	T	t	
PWE-12B49F	4.9 $\pm$ 1.0	1,000	12,000 $\pm$ 30%	12.0	9	0.12	0.05	Brass
PWE-15B58F	5.8 $\pm$ 0.5	1,000	7,500 $\pm$ 30%	15.0	10	0.23	0.10	Brass
PWE-20B38F	3.8 $\pm$ 0.5	350	17,000 $\pm$ 30%	20.0	15	0.28	0.15	Brass
PWE-20B64F	6.4 $\pm$ 0.5	300	10,000 $\pm$ 30%	20.0	15	0.43	0.20	Brass
PWE-27B44F	4.4 $\pm$ 0.5	300	15,000 $\pm$ 30%	27.0	20	0.53	0.25	Brass
PWE-35B26F	2.6 $\pm$ 0.5	300	25,000 $\pm$ 30%	35.0	25	0.53	0.25	Brass
PWE-35B29F	2.9 $\pm$ 0.5	300	25,000 $\pm$ 30%	35.0	25	0.53	0.30	Brass



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