

WI Series

SMD Power Inductor

Size 1210



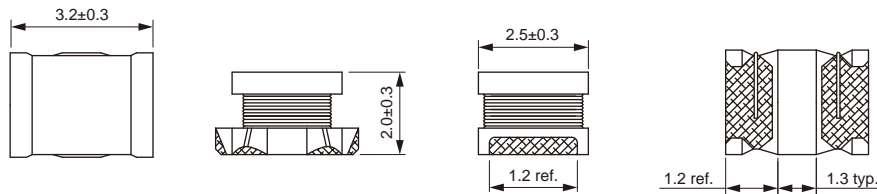
CHARACTERISTICS

- NiZn material with a high Q at high frequency
- Different sizes and wide inductances available
- Quantity: 2000pcs

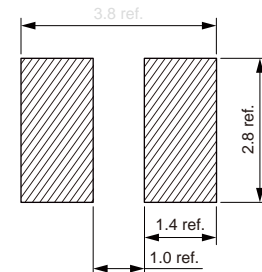
APPLICATION

- Low power DC/DC converter
- Filter
- General circuit application

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

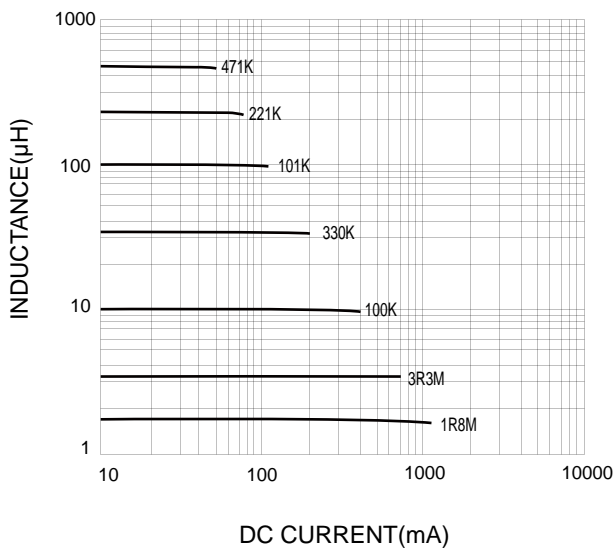
				(Hz)					
				1M	1M				
WI1210-1R2M	1.2	±20%		1M	1M				
				1M	1M				
WI1210-1R8M	1.8	±20%		1M	1M				
				1M	1M				
WI1210-2R7M	2.7	±20%		1M	1M				
				1M	1M				
WI1210-3R9M	3.9	±20%		1M	1M				
				1M	1M				
WI1210-5R6M	5.6	±20%		1M	1M				
				1M	1M				
WI1210-10K	10	±10%		1M	1M				
				1M	1M				
WI1210-15K	15	±10%		1M	1M				
				1M	1M				
WI1210-22K	22	±10%		1M	1M				
				1M	1M				

	(μH)			(Hz)		(MHz)	(Ω)	(mA) Δ $^{\circ}\text{C}$		(mA) Δ $^{\circ}\text{C}$	
W11210-390K	39	$\pm 10\%$	40	1M	1M	11	2.00	115	$^{\circ}\text{C}$	152	$^{\circ}\text{C}$
W11210-470K	47	$\pm 10\%$	40	1M	1M	11	3.00	110	$^{\circ}\text{C}$	146	$^{\circ}\text{C}$
W11210-680K	68	$\pm 10\%$	35	1M	1M	9	3.80	96	$^{\circ}\text{C}$	130	$^{\circ}\text{C}$
W11210-820K	82	$\pm 10\%$	35	1M	1M	8.5	5.60	85	$^{\circ}\text{C}$	105	$^{\circ}\text{C}$
W11210-101K	100	$\pm 10\%$	40	1M	796K	8	6.50	80	$^{\circ}\text{C}$	100	$^{\circ}\text{C}$
W11210-121K	120	$\pm 10\%$	40	1M	796K	7.5	7.00	75	$^{\circ}\text{C}$	95	$^{\circ}\text{C}$
W11210-151K	150	$\pm 10\%$	40	1M	796K	7	9.20	70	$^{\circ}\text{C}$	86	$^{\circ}\text{C}$
W11210-181K	180	$\pm 10\%$	40	1M	796K	6	10.2	65	$^{\circ}\text{C}$	80	$^{\circ}\text{C}$
W11210-221K	220	$\pm 10\%$	40	1M	796K	5.5	11.8	65	$^{\circ}\text{C}$	75	$^{\circ}\text{C}$
W11210-271K	270	$\pm 10\%$	40	1M	796K	5	14.8	60	$^{\circ}\text{C}$	70	$^{\circ}\text{C}$
W11210-331K	330	$\pm 10\%$	40	1M	796K	5	16.5	55	$^{\circ}\text{C}$	65	$^{\circ}\text{C}$
W11210-391K	390	$\pm 10\%$	46	1M	796K	5	22.0	50	$^{\circ}\text{C}$	60	$^{\circ}\text{C}$
W11210-471K	470	$\pm 10\%$	46	1K	796K	5	25.0	45	$^{\circ}\text{C}$	55	$^{\circ}\text{C}$
W11210-561K	560	$\pm 10\%$	46	1K	796K	5	28.0	40	$^{\circ}\text{C}$	48	$^{\circ}\text{C}$

Operating temperature: -40°C to $+125^{\circ}\text{C}$

Typical Electrical Characteristics:

Inductance VS. DC Current Characteristics:



Impedance VS. Frequency Characteristics:

