

## LR composite device

Japan

Type: WRF



LR composite device with Inductor and Resistor function in 1005 pakage which works on both bus line noise suppression for infomation/communication device such as mobile phones and ESD

Industrial Property: Patents 2 (pending)

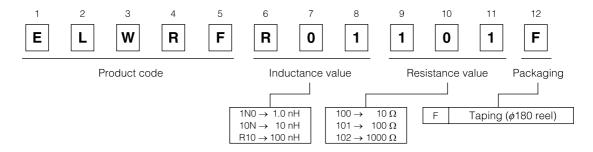
### ■ Features

- Effective for noise and ESD at the same time
- Simple pattern without connecting GND pattern

### ■ Recommended Applications

 Information/communication device with LCD displays such as mobile phones

## ■ Explanation of Part Numbers



- Standard Packing Quantity
- 10000 pcs./Reel

### ■ Examples : WRF Type

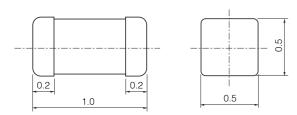
Part Number	Inductnce			DC Resistance		Self Resonant Freq.	DC Current
	(nH)	Tolerance	Test Freq.	Resistance (Ω)	Tolerance	(MHz) min.	(mA) max.
ELWRFR1010F	100	± 5 %	100 MHz	100	± 20 %	1200	23

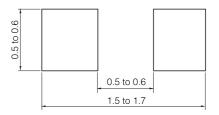
\* Range for design L: to100 nH

R: 5 to 14  $\Omega$  (at 10 nH) 70 to 200  $\Omega$  (at 100 nH)

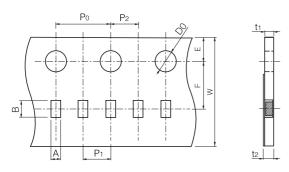
- Dimensions in mm (not to scale)
- 1005 (0402) WRF Type





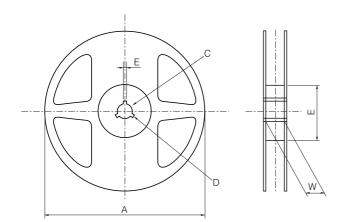


# ■ Paper Tape Dimensions in mm (not to scale)



Dimensions	А	В	W	F	Е	P1
Size	0.65±0.10	1.15±0.10	8.00±0.30	3.50±0.05	1.75±0.10	2.00±0.05
Dimensions	P <sub>2</sub>	Po	Do	t1	t2	
Size	2.00±0.05	4.00±0.10	1.55±0.05	0.70 max.	1.00 max.	_

# ■ Reel Dimensions in mm (not to scale)



Dimensions	А	В	С	D	Е	W
Size	178.0±2.0	60.0±0.5	13.0±0.5	21.0±0.8	2.0±0.5	9.0±0.3