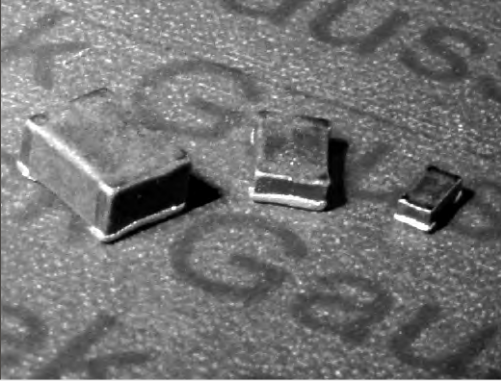


WIRE WOUND CHIP POWER INDUCTORS

Series WF *Signal lines*



OUTLINE

◆ Gausstek's high current chip inductors are SMD components that possess a ultra-low DC resistance. Their impedance mainly comprises resistive part. Therefore, when this component is inserted in series with a noise high current conduction path, the noise content can be attenuated.

FEATURES

◆ Choke coil for DC/DC converter.
It corresponds to high current.
Excellent solder ability and heat resistance.
100% Lead(Pb) & Halogen-Free and RoHS compliant.

APPLICATIONS

◆ This series is suitable for very high DC current power line EMI suppression. For example :

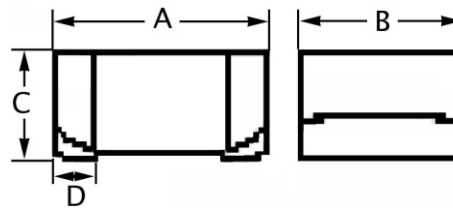
1. Various power lines of electronic equipment.
2. Mother board, tablet PC, notebook, desktop computers and peripheral equipment.
3. DSC, DVC, LCD Television, Set Top Box.
4. Digital communication equipment.
5. Various automotive electronics.

PRODUCT IDENTIFICATION

$\frac{WF}{a} \quad \frac{16}{b} \quad \frac{X}{c} \quad \frac{16}{d} \quad \frac{2}{e} \quad \frac{M}{f} \quad \frac{1U5}{g}$

- a : Type of products
- b : Dimension - 16=2016
- c : Materials - No Used
- d : Thickness - 16=1.6mm
- e : Packing - PCS/REEL - 2=2,000
- f : Tolerance - J : $\pm 5\%$
- g : Impedance - 100N=0.1 μH , 1U1=1.1 μH

SHAPES & DIMENSIONS



Unit : mm

Type	Alias in mm	A	B	C	D
WF16X16	201616	2.0 \pm 0.20	1.60 \pm 0.20	1.60 \pm 0.20	0.50 \pm 0.20

PACKING & QUANTITY

Type	Alias in mm	PCS/REEL
WF16X16	201616	2,000

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Series **WF** *Signal line*

ELECTRICAL CHARACTERISTICS

Part Number	Inductance (μ H)	Tolerance	Test Frequency (Hz)	Q (min.)	SRF (MHz) Min.	RDC (Ω) $\pm 30\%$	Rated Current (mA)max.
WF16X162J 120N	0.12	$\pm 5\%$	25.2M	30	600	0.13	610
WF16X162J 150N	0.15	$\pm 5\%$	25.2M	30	550	0.15	570
WF16X162J 180N	0.18	$\pm 5\%$	25.2M	30	500	0.15	560
WF16X162J 220N	0.22	$\pm 5\%$	25.2M	30	450	0.20	520
WF16X162J 270N	0.27	$\pm 5\%$	25.2M	30	425	0.21	510
WF16X162J 330N	0.33	$\pm 5\%$	25.2M	30	400	0.21	490
WF16X162J 390N	0.39	$\pm 5\%$	25.2M	30	375	0.26	440
WF16X162J 470N	0.47	$\pm 5\%$	25.2M	30	350	0.26	430
WF16X162J 560N	0.56	$\pm 5\%$	25.2M	30	300	0.29	410
WF16X162J 680N	0.68	$\pm 5\%$	25.2M	30	270	0.32	400
WF16X162J 820N	0.82	$\pm 5\%$	25.2M	30	250	0.34	390
WF16X162J 1U	1.00	$\pm 5\%$	7.96M	30	220	0.38	385
WF16X162J 1U2	1.20	$\pm 5\%$	7.96M	30	180	0.41	370
WF16X162J 1U5	1.50	$\pm 5\%$	7.96M	30	135	0.47	350
WF16X162J 1U8	1.80	$\pm 5\%$	7.96M	30	100	0.48	345
WF16X162J 2U2	2.20	$\pm 5\%$	7.96M	30	75	0.54	340
WF16X162J 2U7	2.70	$\pm 5\%$	7.96M	30	55	0.59	310
WF16X162J 3U3	3.30	$\pm 5\%$	7.96M	30	48	0.68	290
WF16X162J 3U9	3.90	$\pm 5\%$	7.96M	30	43	0.74	275
WF16X162J 4U7	4.70	$\pm 5\%$	7.96M	30	40	0.78	270
WF16X162J 5U6	5.60	$\pm 5\%$	7.96M	25	36	0.88	255
WF16X162J 6U8	6.80	$\pm 5\%$	7.96M	25	33	0.97	240
WF16X162J 8U2	8.20	$\pm 5\%$	7.96M	25	30	1.10	225
WF16X162J 10U	10.00	$\pm 5\%$	2.52M	25	27	1.20	215
WF16X162J 12U	12.00	$\pm 5\%$	2.52M	25	23	1.40	200
WF16X162J 15U	15.00	$\pm 5\%$	2.52M	25	20	1.50	190
WF16X162J 18U	18.00	$\pm 5\%$	2.52M	25	18	2.50	150
WF16X162J 22U	22.00	$\pm 5\%$	2.52M	25	17	2.80	140
WF16X162J 27U	27.00	$\pm 5\%$	2.52M	25	16	3.20	130
WF16X162J 33U	33.00	$\pm 5\%$	2.52M	25	15	3.60	125
WF16X162J 39U	39.00	$\pm 5\%$	2.52M	20	14	3.90	120
WF16X162J 47U	47.00	$\pm 5\%$	2.52M	20	13	4.10	115
WF16X162J 56U	56.00	$\pm 5\%$	2.52M	20	12	5.90	95
WF16X162J 68U	68.00	$\pm 5\%$	2.52M	20	11	7.00	90
WF16X162J 82U	82.00	$\pm 5\%$	2.52M	20	10	7.70	85
WF16X162J 100U	100.00	$\pm 5\%$	2.52M	15	9	8.00	80