



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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### Features

- Formerly J. W. Miller® model
- Current rating up to 6.33 A
- Inductance range: 10  $\mu$ H to 18,000  $\mu$ H
- RoHS compliant\*

### Applications

- DC/DC converters
- Power supplies
- Desktop notebooks
- Output chokes

## 6100 Series - Radial Lead RF Choke

### Electrical Specifications (@ 25 °C)

Part Number	Inductance ( $\mu$ H) $\pm 10$ %	Q (Ref.)	Test Frequency		SRF (MHz) Typ.	DCR ( $\Omega$ ) max.	I dc (A)
			L	Q			
6100-100K-RC	10	21.0	100 KHz	2.52 MHz	21.0	0.020	6.33
6100-120K-RC	12	18.3	100 KHz	2.52 MHz	18.3	0.022	5.75
6100-150K-RC	15	15.5	100 KHz	2.52 MHz	15.5	0.024	5.28
6100-180K-RC	18	13.8	100 KHz	2.52 MHz	13.8	0.027	4.80
6100-220K-RC	22	12.0	100 KHz	2.52 MHz	12.0	0.039	4.52
6100-270K-RC	27	11.3	100 KHz	2.52 MHz	11.3	0.047	3.75
6100-330K-RC	33	10.5	100 KHz	2.52 MHz	10.5	0.059	3.39
6100-390K-RC	39	9.4	100 KHz	2.52 MHz	9.4	0.079	3.08
6100-470K-RC	47	8.3	100 KHz	2.52 MHz	8.3	0.084	2.79
6100-560K-RC	56	7.6	100 KHz	2.52 MHz	7.6	0.089	2.57
6100-680K-RC	68	6.8	100 KHz	2.52 MHz	6.8	0.11	2.38
6100-820K-RC	82	6.3	100 KHz	2.52 MHz	6.3	0.15	2.18
6100-101K-RC	100	5.8	100 KHz	796 KHz	5.8	0.16	1.98
6100-121K-RC	120	5.0	100 KHz	796 KHz	5.0	0.23	1.80
6100-151K-RC	150	4.2	100 KHz	796 KHz	4.2	0.24	1.61
6100-181K-RC	180	3.9	100 KHz	796 KHz	3.9	0.31	1.45
6100-221K-RC	220	3.5	100 KHz	796 KHz	3.5	0.35	1.32
6100-271K-RC	270	3.2	100 KHz	796 KHz	3.2	0.52	1.18
6100-331K-RC	330	2.9	100 KHz	796 KHz	2.9	0.60	1.10
6100-391K-RC	390	2.8	100 KHz	796 KHz	2.8	0.64	1.00
6100-471K-RC	470	2.6	100 KHz	796 KHz	2.6	0.77	0.90
6100-561K-RC	560	2.3	100 KHz	796 KHz	2.3	0.87	0.83
6100-681K-RC	680	2.0	100 KHz	796 KHz	2.0	1.09	0.76
6100-821K-RC	820	1.8	100 KHz	796 KHz	1.8	1.44	0.69
6100-102K-RC	1000	1.6	100 KHz	252 KHz	1.6	1.55	0.62
6100-122K-RC	1200	1.4	100 KHz	252 KHz	1.4	2.20	0.57
6100-152K-RC	1500	1.3	100 KHz	252 KHz	1.3	2.50	0.51
6100-182K-RC	1800	1.2	100 KHz	252 KHz	1.2	3.65	0.47
6100-222K-RC	2200	1.1	100 KHz	252 KHz	1.1	4.26	0.42
6100-272K-RC	2700	1.0	100 KHz	252 KHz	1.0	5.41	0.38
6100-332K-RC	3300	1.0	100 KHz	252 KHz	1.0	5.63	0.35
6100-392K-RC	3900	0.9	100 KHz	252 KHz	0.9	6.62	0.32
6100-472K-RC	4700	0.8	100 KHz	252 KHz	0.8	8.23	0.29
6100-562K-RC	5600	0.7	100 KHz	252 KHz	0.7	9.45	0.27
6100-682K-RC	6800	0.6	100 KHz	252 KHz	0.6	13.2	0.24
6100-822K-RC	8200	0.5	100 KHz	252 KHz	0.5	16.0	0.22
6100-103K-RC	10,000	0.5	100 KHz	252 KHz	0.5	19.3	0.20
6100-123K-RC	12,000	0.4	100 KHz	252 KHz	0.4	23.2	0.19
6100-153K-RC	15,000	0.3	100 KHz	252 KHz	0.3	30.4	0.17
6100-183K-RC	18,000	0.3	100 KHz	79.6 KHz	0.3	34.1	0.16

### General Specifications

Rated Current..... Inductance drop 5 %  
 typical at I dc  
 Operating Temperature  
 ..... -40 °C to +105 °C  
 Storage Temperature  
 ..... -40 °C to +105 °C

### Materials

Core Material..... Ferrite  
 Wire ..... Enameled copper  
 Terminal Coating..... Sn

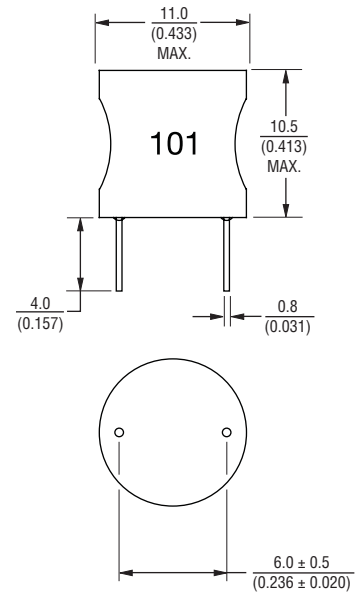
### Marking

..... Value code on side of inductor

### Packaging

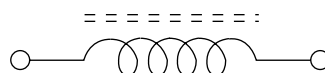
Standard..... 160 pcs. per tray

### Product Dimensions



DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$

### Electrical Schematic



### How To Order

**6100 - 562K - RC**  
 Model \_\_\_\_\_  
 Value Code (see table) \_\_\_\_\_  
 Compliance Code \_\_\_\_\_  
 RC = RoHS Compliant

Example: 6100-562K-RC = 5600  $\mu$ H,  $\pm 10$  %