



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!



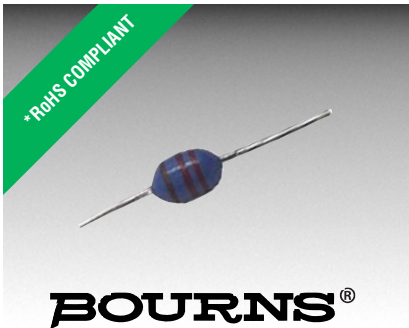
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Features

- Current rating up to 0.7 A
- Dielectric strength: 500 VRMS
- RoHS compliant*



The 79F Series is currently available, but not recommended for new designs. See [Product Obsolescence Memo](#) for details.

79F Series Conformal Coated RF Choke

Electrical Specifications (@ 25 °C)

Part Number	Value (μH)	Q Min.	Test Frequency (MHz)	SRF (MHz) Min.	DCR (Ω) Max.	IDC (mA) Max.
79FR10M-RC	0.10 ±20 %	35	25	300	0.180	700
79FR12M-RC	0.12 ±20 %	35	25	300	0.200	660
79FR15M-RC	0.15 ±20 %	35	25	300	0.220	620
79FR18M-RC	0.18 ±20 %	35	25	300	0.240	600
79FR22M-RC	0.22 ±20 %	35	25	150	0.400	400
79FR27M-RC	0.27 ±20 %	35	25	150	0.430	380
79FR33M-RC	0.33 ±20 %	35	25	150	0.480	370
79FR39M-RC	0.39 ±20 %	35	25	150	0.51	350
79FR47M-RC	0.47 ±20 %	35	25	150	0.56	330
79FR56M-RC	0.56 ±20 %	35	25	150	0.61	320
79FR68M-RC	0.68 ±20 %	35	25	150	0.67	310
79FR82M-RC	0.82 ±20 %	35	25	150	0.74	290
79F1R0K-RC	1.0 ±10 %	35	25	150	0.80	270
79F1R2K-RC	1.2 ±10 %	40	7.9	110	0.90	260
79F1R5K-RC	1.5 ±10 %	40	7.9	70	1.00	250
79F1R8K-RC	1.8 ±10 %	40	7.9	60	1.10	240
79F2R2K-RC	2.2 ±10 %	40	7.9	45	1.20	230
79F2R7K-RC	2.7 ±10 %	40	7.9	40	1.30	220
79F3R3K-RC	3.3 ±10 %	40	7.9	38	1.40	210
79F3R9K-RC	3.9 ±10 %	40	7.9	36	1.50	200
79F4R7K-RC	4.7 ±10 %	40	7.9	30	1.70	190
79F5R6K-RC	5.6 ±10 %	40	7.9	28	1.90	180
79F6R8K-RC	6.8 ±10 %	40	7.9	26	2.00	175
79F8R2K-RC	8.2 ±10 %	40	7.9	24	2.20	165
79F100K-RC	10 ±10 %	40	7.9	22	2.40	160
79F120K-RC	12 ±10 %	40	2.5	20	2.80	150
79F150K-RC	15 ±10 %	40	2.5	18	2.80	145
79F180K-RC	18 ±10 %	40	2.5	17	3.10	140
79F220K-RC	22 ±10 %	40	2.5	16	3.40	100
79F270K-RC	27 ±10 %	40	2.5	14	4.30	80
79F330K-RC	33 ±10 %	40	2.5	13.5	4.70	75
79F390K-RC	39 ±10 %	40	2.5	13.00	5.20	74
79F470K-RC	47 ±10 %	40	2.5	12.00	5.80	70
79F560K-RC	56 ±10 %	40	2.5	11.00	6.40	68
79F680K-RC	68 ±10 %	40	2.5	10.00	7.20	64
79F820K-RC	82 ±10 %	40	2.5	9.50	11.00	46
79F101K-RC	100 ±10 %	40	2.5	9.00	12.00	44
79F121K-RC	120 ±10 %	40	0.79	8.00	13.00	42
79F151K-RC	150 ±10 %	40	0.79	6.00	16.00	39
79F181K-RC	180 ±10 %	40	0.79	5.00	18.00	37
79F221K-RC	220 ±10 %	40	0.79	5.00	20.00	35

General Specifications

Temperature Rise 35 °C
 at rated current
 Operating Temperature Range
 -55 °C to +105 °C
 (including temperature rise)
 Storage Temperature Range
 -55 °C to +105 °C

Materials

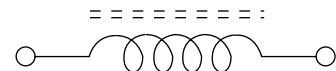
Core Material Ferrite DR core
 Wire Enamelled copper wire
 Terminal Cu/Ni/Sn
 Coating Epoxy resin
 Packaging
 2000 pcs. per ammo-pak box

How to Order

79F 100 K -TR - RC

Model _____
 Value Code (see table) _____
 Tolerance Code (see table) _____
 Packaging _____
 -TR = 2,000 pcs./ammo-pak box
 RoHS Compliant _____

Electrical Schematic



*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
 Specifications are subject to change without notice.
 Customers should verify actual device performance in their specific applications.

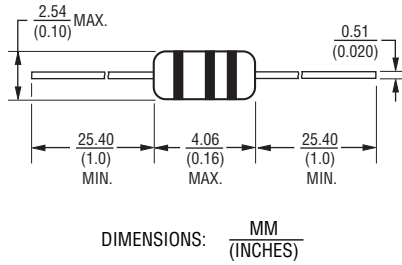
Applications

- DC/DC converters
- Power supplies
- General use

79F Series Conformal Coated RF Choke

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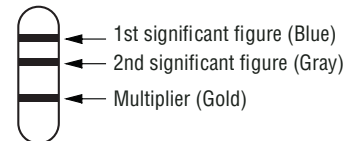
Product Dimensions



Typical Part Marking - EIA Color Code

Color	1st & 2nd Significant Figure	Multiplier
Silver		0.01
Gold		0.1
Black	0	1
Brown	1	10
Red	2	100
Orange	3	1000
Yellow	4	
Green	5	
Blue	6	
Violet	7	
Gray	8	
White	9	

Example for 6.8 μH



Example for 220 μH

