

Features

- Formerly *JW.Miller* model
- Current rating up to 920 mA
- Inductance range: 1.0 μ H to 1,000 μ H
- RoHS compliant*

Applications

- DC/DC converters
- Power supplies
- General use

77F Series Conformal Coated RF Choke

Electrical Specifications (@ 25 °C)

Bourns Part No.	Inductance		Q Min.	Test Frequency (MHz)	SRF (MHz) Min.	DCR (Ω) Max.	Idc (mA)
	(μ H)	Tol. (%)					
77F-1R0K-RC	1.0	\pm 10	45	25.2	157	0.17	920
77F-1R2K-RC	1.2	\pm 10	50	7.96	144	0.18	880
77F-1R5K-RC	1.5	\pm 10	50	7.96	131	0.20	830
77F-1R8K-RC	1.8	\pm 10	55	7.96	121	0.22	790
77F-2R2K-RC	2.2	\pm 10	55	7.96	110	0.24	750
77F-2R7K-RC	2.7	\pm 10	60	7.96	100	0.25	720
77F-3R3K-RC	3.3	\pm 10	65	7.96	94	0.30	670
77F-3R9K-RC	3.9	\pm 10	65	7.96	86	0.35	640
77F-4R7K-RC	4.7	\pm 10	70	7.96	80	0.40	620
77F-5R6K-RC	5.6	\pm 10	70	7.96	74	0.45	590
77F-5R8K-RC	6.8	\pm 10	75	7.96	68	0.50	550
77F-8R2K-RC	8.2	\pm 10	80	7.96	53	0.52	530
77F-10K-RC	10	\pm 10	85	7.96	45	0.65	500
77F-120K-RC	12	\pm 10	75	2.52	34	0.70	480
77F-150K-RC	15	\pm 10	70	2.52	20	0.75	460
77F-180K-RC	18	\pm 10	65	2.52	14	0.80	430
77F-220K-RC	22	\pm 10	60	2.52	9.9	0.90	410
77F-270K-RC	27	\pm 10	55	2.52	7.6	1.00	390
77F-330J-RC	33	\pm 5	55	2.52	6.3	1.10	370
77F-390J-RC	39	\pm 5	50	2.52	6.3	1.20	350
77F-470J-RC	47	\pm 5	45	2.52	6.3	1.30	340
77F-560J-RC	56	\pm 5	40	2.52	6.2	1.50	320
77F-680J-RC	68	\pm 5	40	2.52	5.7	1.80	305
77F-820J-RC	82	\pm 5	35	2.52	5.3	2.00	290
77F-101J-RC	100	\pm 5	30	0.796	4.8	2.50	275
77F-121J-RC	120	\pm 5	70	0.796	3.8	3.0	185
77F-151J-RC	150	\pm 5	70	0.796	3.5	4.0	175
77F-181J-RC	180	\pm 5	70	0.796	3.3	4.5	165
77F-221J-RC	220	\pm 5	70	0.796	3.0	5.0	155
77F-271J-RC	270	\pm 5	65	0.796	2.8	6.0	145
77F-331J-RC	330	\pm 5	65	0.796	2.6	6.5	137
77F-391J-RC	390	\pm 5	65	0.796	2.4	7.5	133
77F-471J-RC	470	\pm 5	60	0.796	2.25	8.5	126
77F-561J-RC	560	\pm 5	60	0.796	2.10	9.5	120
77F-681J-RC	680	\pm 5	55	0.796	1.95	12.0	113
77F-821J-RC	820	\pm 5	55	0.796	1.85	14.0	105
77F-102J-RC	1000	\pm 5	50	0.796	1.40	20.0	100

General Specifications

Temperature Rise35 °C at Idc
 Operating Temperature ..-55 °C to +105 °C
 Storage Temperature.....-55 °C to +105 °C
 Dielectric Strength.....500 Vrms

Materials

Core.....Ferrite
 Wire.....Polyester copper
 Terminal Coating.....Sn-Ag-Cu alloy
 CoatingEpoxy resin
 Packaging5000 pcs. per 14-inch reel

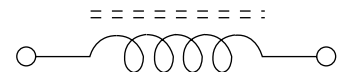
How To Order

77F - 151J - TR - RC

Model _____
 Value Code _____
 (See table)
 Packaging Code _____
 TR = 5000 pcs./14-inch reel
 Compliance Code _____
 RC = RoHS compliant*

Example:
 77F-102J-TR-RC = 1000 μ H packaged 5000 pcs./
 14-inch reel.

Electrical Schematic

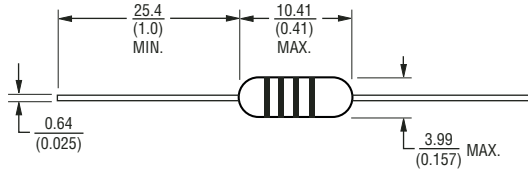


*RoHS Directive 2002/95/EC Jan 27 2003 including Annex
 Specifications are subject to change without notice.
 Customers should verify actual device performance in their specific applications.

77F Series Conformal Coated RF Choke



Product Dimensions

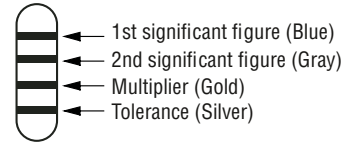


DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

Typical Part Marking - EIA Color Code

Color	1st & 2nd Significant Figure	Multiplier	Tolerance
Silver		0.01	±10 %
Gold		0.1	±5 %
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 L value less than 10 μH
6.8 μH , ±10 %



Example for L value 10 μH and higher
270 μH , ±5 %

