BOURNS®

Product Update Memo

MAGNETICS

Bourns Manufacturers Representatives
Corporate Distributor Product Managers
Americas Sales Team
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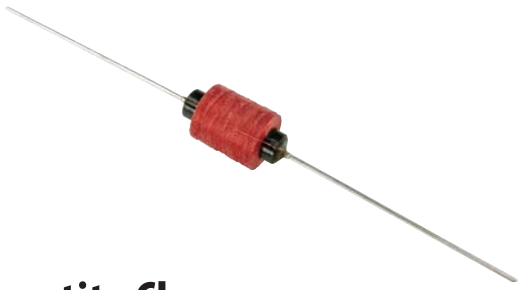
Europe Sales Team
Bourns Internal
Bourns Plant Managers



December, 2009

Packaging Multiple Quantity Change for Bourns® Model 70F

Effective immediately, the multiple of certain 70F model part numbers will be changed as part of providing better packaging protection for the inductors. The following list shows the affected part numbers and the update of the multiples. The MOQ remains the same.

Part Number	MOQ	Original MULT	New MULT
70F101AF-RC	264	33	132
70F121AF-RC	264	33	132
70F151AF-RC	264	33	132
70F181AF-RC	264	33	132
70F221AF-RC	264	33	132
70F251AF-RC	264	33	132
70F271AF-RC	264	33	132
70F331AF-RC	264	33	132
70F391AF-RC	264	33	132
70F471AF-RC	264	33	132
70F501AF-RC	264	33	132
70F252AF-RC	408	102	204
70F272AF-RC	408	102	204
70F332AF-RC	408	102	204
70F392AF-RC	408	102	204
70F472AF-RC	408	102	204
70F502AF-RC	408	102	204
70F562AF-RC	408	102	204
70F682AF-RC	408	102	204
70F752AF-RC	408	102	204
70F822AF-RC	408	102	204
70F912AF-RC	408	102	204

If you have any questions, please contact:

Americas: Andy Chow - andy.chow@bourns.com
Europe and Asia: Guido Zehnder - guido.zehnder@bourns.com

Best regards,
Guido Zehnder
Product Line Manager

† RoHS COMPLIANT

Varnished Chokes

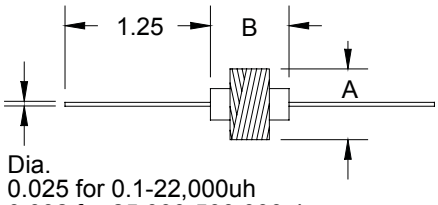
Special Features

- High Q, high self-resonant frequency
- High voltage application on phenolic and ferrite components
- Universal wound
- Low cost
- Varnish coated
- Operating temperature: phenolic -55 to +125 °C; iron, ferrite -55 to +105 °C

Notes

* Current to cause 35 °C max. temperature rise

† RoHS Directive 2002/95/EC Jan 27 2003 including Annex.



Dia.
0.025 for 0.1-22,000uh
0.032 for 25,000-500,000uh

Dimensions: Inches

70F Series									
Part Number	L (µH) ±20 %	Q	Test Freq. (MHz)	SRF	DCR Ω Max.	I, DC* (mA)	Dim. A Max	Dim. B ±0.03	Core Material
70F107AP-RC	0.10	49	25	600	0.13	3922	0.15	0.31	Phenolic
70F157AP-RC	0.15	52	25	490	0.25	2828	0.14	0.31	Phenolic
70F227AP-RC	0.22	48	25	400	0.38	2294	0.14	0.31	Phenolic
70F337AP-RC	0.33	47	25	330	0.70	1690	0.12	0.31	Phenolic
70F477AP-RC	0.47	46	25	280	0.125	1264	0.12	0.31	Phenolic
70F687AP-RC	0.68	48	25	240	0.20	1000	0.12	0.31	Phenolic
70F757AP-RC	0.75	48	25	224	0.264	870	0.12	0.31	Phenolic
70F827AP-RC	0.82	48	25	216	0.29	830	0.12	0.31	Phenolic
70F106AI-RC	1.0	41	25	118	0.048	2041	0.16	0.25	Iron
	±10 %								
70F126AI-RC	1.2	45	7.9	118	0.072	1666	0.16	0.25	Iron
70F156AI-RC	1.5	42	7.9	102	0.096	1443	0.16	0.25	Iron
70F186AI-RC	1.8	31	7.9	89	0.096	1443	0.16	0.25	Iron
70F226AI-RC	2.2	43	7.9	87	0.156	1132	0.16	0.25	Iron
70F276AI-RC	2.7	34	7.9	74	0.168	1091	0.16	0.25	Iron
70F336AI-RC	3.3	40	7.9	66	0.24	912	0.15	0.25	Iron
70F396AI-RC	3.9	35	7.9	61	0.264	870	0.15	0.25	Iron
70F476AI-RC	4.7	43	7.9	53	0.457	661	0.15	0.25	Iron
70F566AI-RC	5.6	41	7.9	49	0.492	637	0.15	0.25	Iron
70F686AI-RC	6.8	40	7.9	49	0.624	566	0.15	0.25	Iron
70F756AI-RC	7.5	32	7.9	44	0.624	566	0.15	0.25	Iron
70F826AI-RC	8.2	37	7.9	41	0.744	518	0.15	0.25	Iron
70F916AI-RC	9.1	41	7.9	21	1.44	288	0.16	0.25	Iron
70F105AI-RC	10	36	7.9	19	1.56	277	0.16	0.25	Iron
70F125AI-RC	12	52	2.5	19	1.68	267	0.16	0.25	Iron
70F155AI-RC	15	52	2.5	16	1.92	250	0.16	0.25	Iron
	±5 %								
70F185AI-RC	18	52	2.5	15	2.28	229	0.16	0.25	Iron
70F225AI-RC	22	51	2.5	13	2.28	229	0.16	0.25	Iron
70F255AI-RC	25	48	2.5	13	2.64	213	0.17	0.25	Iron
70F275AI-RC	27	49	2.5	12	2.64	213	0.17	0.25	Iron
70F335AI-RC	33	50	2.5	10	2.76	208	0.17	0.25	Iron
70F395AI-RC	39	48	2.5	9.3	3.36	188	0.17	0.25	Iron
70F475AI-RC	47	44	2.5	9.1	3.36	188	0.17	0.25	Iron
70F565AI-RC	56	45	2.5	8.6	3.84	176	0.18	0.25	Iron
70F685AI-RC	68	42	2.5	8.1	4.2	169	0.18	0.25	Iron
70F755AI-RC	75	38	2.5	7.2	4.56	162	0.18	0.25	Iron
70F825AI-RC	82	41	2.5	6.7	4.8	158	0.18	0.25	Iron
70F915AI-RC	91	41	2.5	6.7	4.92	156	0.18	0.25	Iron
70F104AI-RC	100	25	2.5	3.6	7.68	139	0.16	0.25	Iron
70F124AI-RC	120	40	0.79	3.2	8.16	135	0.16	0.25	Iron
70F154AI-RC	150	47	0.79	3.0	8.16	135	0.16	0.25	Iron
70F184AI-RC	180	48	0.79	2.8	8.16	135	0.17	0.25	Iron
70F204AI-RC	200	47	0.79	2.7	10.3	120	0.17	0.25	Iron
70F224AI-RC	220	46	0.79	2.5	11.5	114	0.17	0.25	Iron
70F254AI-RC	250	49	0.79	2.5	12.1	111	0.17	0.25	Iron
70F274AI-RC	270	46	0.79	2.5	13.2	106	0.17	0.25	Iron
70F304AI-RC	300	46	0.79	2.2	13.2	106	0.17	0.25	Iron
70F334AI-RC	330	41	0.79	2.0	13.9	103	0.17	0.25	Iron
70F354AI-RC	350	46	0.79	2.0	14.4	102	0.18	0.25	Iron

"-RC" suffix indicates RoHS compliance.

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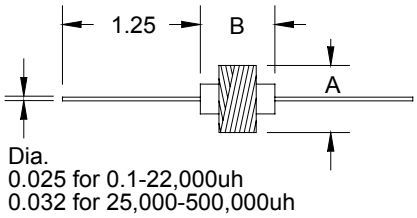

Dimensions: Inches

70F Series continued									
Part Number	L (µH) ±5 %	Q Min.	Test Freq. (MHz)	SRF (MHz) Min.	DCR Ω Max.	I, DC* (mA)	Dim. A Max	Dim. B ±0.03	Core Material
70F394AI-RC	390	45	0.79	2.0	15.8	97	0.18	0.25	Iron
70F474AI-RC	470	35	0.79	1.8	16.3	95	0.18	0.25	Iron
70F504AI-RC	500	49	0.79	1.8	18.0	91	0.19	0.25	Iron
70F564AI-RC	560	41	0.79	1.7	19.2	88	0.19	0.25	Iron
70F684AI-RC	680	37	0.79	1.6	19.8	87	0.2	0.25	Iron
70F754AI-RC	750	40	0.79	1.6	22.9	80	0.21	0.25	Iron
70F824AI-RC	820	33	0.79	1.6	22.9	80	0.21	0.25	Iron
70F914AI-RC	910	32	0.79	1.4	24.0	79	0.22	0.25	Iron
70F103AI-RC	1000	30	0.79	1.4	24.0	79	0.22	0.25	Iron
70F123AI-RC	1200	34	0.25	1.2	33.6	66	0.22	0.25	Iron
70F153AI-RC	1500	40	0.25	1.1	37.2	63	0.22	0.25	Iron
70F183AI-RC	1800	40	0.25	0.96	42.0	59	0.23	0.25	Iron
70F223AI-RC	2200	40	0.25	0.96	45.6	57	0.24	0.25	Iron
70F253AI-RC	2500	48	0.25	0.96	45.6	57	0.26	0.38	Iron
70F273AI-RC	2700	50	0.25	0.88	45.6	57	0.26	0.38	Iron
70F333AI-RC	3300	52	0.25	0.80	51.6	53	0.26	0.38	Iron
70F393AI-RC	3900	53	0.25	0.76	57.6	51	0.27	0.38	Iron
70F473AI-RC	4700	49	0.25	0.68	64.8	48	0.28	0.38	Iron
70F563AI-RC	5600	53	0.25	0.68	69.6	46	0.3	0.38	Iron
70F683AI-RC	6800	51	0.25	0.64	78	43	0.31	0.38	Iron
70F753AI-RC	7500	49	0.25	0.60	85.2	41	0.31	0.38	Iron
70F823AI-RC	8200	48	0.25	0.60	92.4	40	0.33	0.38	Iron
70F913AI-RC	9100	52	0.25	0.56	98.4	39	0.33	0.38	Iron
70F102AI-RC	10,000	41	0.25	0.52	101	38	0.33	0.38	Iron
70F122AI-RC	12,000	46	0.079	0.36	100	50	0.3	0.50	Iron
70F152AI-RC	15,000	50	0.079	0.32	113	47	0.3	0.50	Iron
70F182AI-RC	18,000	49	0.079	0.29	128	44	0.32	0.50	Iron
70F222AI-RC	22,000	50	0.079	0.27	144	41	0.33	0.50	Iron
70F252AF-RC	25,000	59	0.079	0.25	115	46	0.34	0.63	Ferrite
70F272AF-RC	27,000	61	0.079	0.244	120	45	0.35	0.63	Ferrite
70F332AF-RC	33,000	61	0.079	0.232	134	43	0.35	0.63	Ferrite
70F392AF-RC	39,000	59	0.079	0.22	147	41	0.37	0.63	Ferrite
70F472AF-RC	47,000	57	0.079	0.206	168	38	0.38	0.63	Ferrite
70F502AF-RC	50,000	57	0.079	0.196	175	37	0.4	0.63	Ferrite
70F562AF-RC	56,000	57	0.079	0.188	189	36	0.4	0.63	Ferrite
70F682AF-RC	68,000	57	0.079	0.18	215	34	0.41	0.63	Ferrite
70F752AF-RC	75,000	53	0.079	0.174	222	33	0.43	0.63	Ferrite
70F822AF-RC	82,000	50	0.079	0.168	238	32	0.43	0.63	Ferrite
70F912AF-RC	91,000	51	0.079	0.166	250	31	0.43	0.63	Ferrite
70F101AF-RC	100,000	48	0.079	0.157	278	29	0.44	0.63	Ferrite
	L tested @ 1 KHz								
70F121AF-RC	120,000	46	0.025	0.084	288	48	0.48	0.88	Ferrite
70F151AF-RC	150,000	49	0.025	0.077	328	44	0.50	0.88	Ferrite
70F181AF-RC	180,000	51	0.025	0.075	374	41	0.52	0.88	Ferrite
70F221AF-RC	220,000	51	0.025	0.07	424	39	0.54	0.88	Ferrite
70F251AF-RC	250,000	52	0.025	0.065	468	37	0.55	0.88	Ferrite
70F271AF-RC	270,000	53	0.025	0.062	490	36	0.57	0.88	Ferrite
70F331AF-RC	330,000	54	0.025	0.06	540	34	0.58	0.88	Ferrite
70F391AF-RC	390,000	54	0.025	0.056	617	33	0.6	0.88	Ferrite
70F471AF-RC	470,000	55	0.025	0.054	704	30	0.61	0.88	Ferrite
70F501AF-RC	500,000	53	0.025	0.052	736	30	0.63	0.88	Ferrite

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