



**THE DATASHEET OF  
70F157AP**



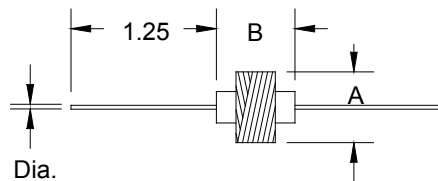
# Varnished RF Chokes

## 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 maximum temperature rise



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

Also available as RoHS compliant.

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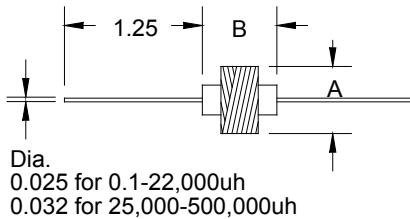
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Dimensions: Inches

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

Also available as RoHS compliant.

**J.W. Miller**  
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