

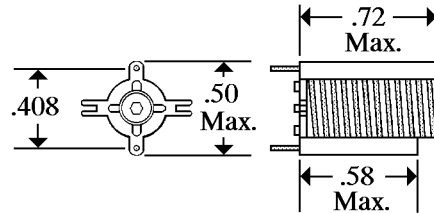
## ADJUSTABLE R F COILS

These coils have unsurpassed stability and uniformity of electrical parameters. A plastic form of polypropylene is molded around an accurately positioned winding.

### 48A SERIES

Miller Number	L $\mu$ H $\pm 3\%$		Q		Test Freq. MHz	Max. I, dc Amps	No. Turns
	Min.	Max.	Min.	Max.			
48A518MPC	.043	.085	.052	.93	40	2	1-1/2
48A778MPC	.061	.107	.086	114	40	2	2-1/2
48A117MPC	.084	.121	.128	126	40	2	3-1/2
48A147MPC	.110	.109	.176	129	25	2	4-1/2
48A187MPC	.137	.115	.225	135	25	2	5-1/2
48A227MPC	.164	.124	.264	138	25	2	6-1/2
48A257MPC	.200	.133	.310	140	25	2	7-1/2
48A287MPC	.242	.141	.346	142	25	2	8-1/2
48A317MPC	.289	.150	.384	144	25	2	9-1/2

48A Series Dimensions



Frequency range 30 - 250 MHz  
Wire size AWG 20 TCW

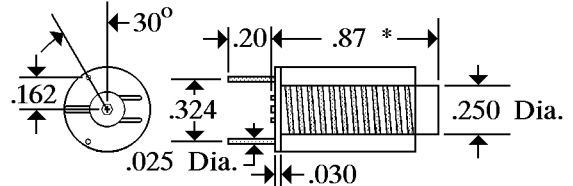
Core 10-32 x 3/8 Carbonyl J  
May easily be tapped at 1/8, 1/4, 3/8, 5/8, 3/4 or 7/8 turn if desired.

### 49A SERIES

Miller Number	L $\mu$ H		Q	Max. I, dc Amps	No. Turns
	Min.	Nom. Max.			
49A678MPC	.06	.067 .074	100	1.5	2-1/3
49A127MPC	.1	.116 .132	100	1.5	3-1/3
49A167MPC	.134	.164 .194	100	1.5	4-1/3
49A217MPC	.17	.214 .258	100	1.5	5-1/3
49A347MPC	.25	.338 .415	100	1.5	7-1/3
49A537MPC	.393	.525 .657	70	1.5	10-1/3
49A757MPC	.6	.75 .9	70	1.5	14-1/3
49A997MPC	.81	.99 1.16	70	1.5	18-1/3
49A126MPC	.96	1.15 1.34	70	1.5	21-1/3
49A146MPC	1.18	1.36 1.53	70	1.5	24-1/3

These coils have unsurpassed stability and uniformity of electrical parameters. A plastic form of polypropylene is molded around an accurately positioned winding.

49A Series Dimensions



\* Except 49A146MPC = 1.09

Frequency range 10 - 250 MHz  
Wire size AWG 22 polyurethane coated, with tinned leads.

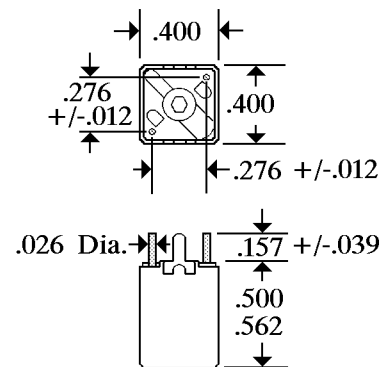
OD at base = .46". Coil OD = .285"  
Core = 10-32 x 3/8 Carbonyl J.

### 4900 SERIES

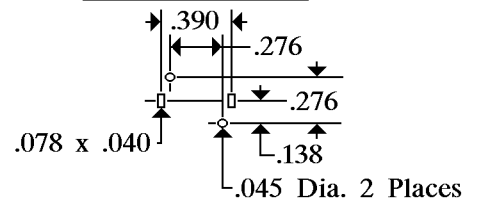
Miller Number	L $\mu$ H		Test Freq. MHz	Q		Test Freq. MHz	
	Min.	Max.		Min. @ L Min.	Max. @ L Max.		
4901-S	.037	.90	80	.039	85	80	Shielded
4902-S	.059	100	75	.071	95	75	Shielded
4903-S	.086	105	75	.107	90	75	Shielded
4904-S	.117	90	50	.159	90	50	Shielded
4905-S	.150	90	45	.208	80	45	Shielded
4906-S	.184	85	45	.262	70	45	Shielded
4907-S	.226	85	45	.311	65	45	Shielded
4908-S	.258	85	45	.363	60	45	Shielded
4909-S	.296	85	45	.417	55	45	Shielded
4910-S	.335	80	45	.454	50	45	Shielded
4901	.041	113	80	.050	136	80	Unshielded
4902	.070	155	75	.100	139	75	Unshielded
4903	.103	147	75	.152	133	75	Unshielded
4904	.148	146	50	.252	162	50	Unshielded
4905	.193	138	45	.337	142	45	Unshielded
4906	.238	137	45	.417	122	45	Unshielded
4907	.286	135	45	.508	105	45	Unshielded
4908	.339	126	45	.600	89	45	Unshielded
4909	.390	132	45	.691	76	45	Unshielded
4910	.460	128	45	.788	72	45	Unshielded

Minimum inductance measured with core removed.

4900 Series Dimensions



PC Board Layout

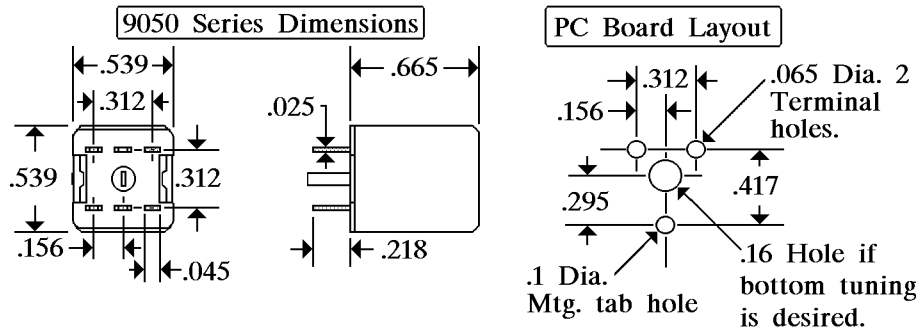


# SHIELDED ADJUSTABLE R F COILS

## 9050 SERIES

Miller Number	L Min. $\mu$ H	Q Min. @ L Min.	Test Freq. MHz	L Max. $\mu$ H	Q Min. @ L Max.	Test Freq. MHz	Fo Min.* MHz	R <sub>dc</sub> Max. Ohms	I <sub>dc</sub> Max. mA
9050	1.5	40	7.9	3	41	7.9	39	.66	80
9051	3	46	7.9	7	45	7.9	23	.85	125
9052	7	40	7.9	14	62	2.5	12	1.38	80
9053	14	48	2.5	28	66	2.5	7.2	2.1	80
9054	28	48	2.5	60	45	2.5	4.9	3	100
9055	60	40	2.5	120	69	.79	3.6	4	100
9056	120	52	.79	280	68	.79	2.5	5.75	80
9057	280	52	.79	650	62	.79	1.7	12	80
9058	650	36	.79	1,300	68	.25	1.2	15	100
9059	1,300	43	.25	3,000	53	.25	.57	23	100
9059-1	1,800	116	.25	2,200	129	.25	1.04	10	141
9060	3,000	32	.25	10,000	32	.079	.48	76	30
9061	8,000	35	.25	20,000	38	.079	.33	110	30
9062	15,000	25	.079	40,000	40	.079	.24	150	30
9063	20,000	36	.079	60,000	60	.079	.09	175	25

\* Minimum self resonant frequency measured at maximum inductance.



## 9100 SERIES

Miller Number	L Min. $\mu$ H	Q Min. @ L Min.	Test Freq. MHz	L Max. $\mu$ H	Q Min. @ L Max.	Test Freq. MHz	Fo Min.* MHz	R <sub>dc</sub> Max. Ohms	I <sub>dc</sub> Max. mA
9101	.099	64	25	.134	85	25	400	.01	4,850
9102	.129	70	25	.192	93	25	333	.01	4,430
9103	.165	77	25	.258	100	25	288	.02	3,970
9104	.246	83	25	.418	102	25	225	.02	3,830
9105	.366	88	25	.627	93	25	185	.02	3,430
9106	.588	40	25	.95	60	25	155	.9	516
9107	.83	43	25	1.54	50	7.9	116	1.02	485
9108	1.44	34	7.9	2.94	64	7.9	84	1.38	417
9109	2.52	40	7.9	5.7	77	7.9	60	1.76	368
9110	5.35	50	7.9	13.49	60	2.5	37.4	2.92	286
9111	12.5	31	2.5	29.45	60	2.5	9.7	4.72	225
9112	26.25	35	2.5	71.25	54	2.5	5.1	6.97	185
9113	64.57	36	2.5	163	50	.79	3.1	9.98	155
9114	147	31	.79	430	52	.79	2.1	16.32	121
9115	422	40	.79	1,100	42	.25	1.4	27.84	92
9116	1,050	39	.79	3,740	65	.25	.88	41.06	76
9117	3,360	40	.25	11,120	50	.079	.58	78.92	55

\* Minimum self resonant frequency measured at maximum inductance.

