

MOLDED SHIELDED INDUCTORS

PF SERIES



Term.W is
RoHS
compliant
& 260°C
compatible



RESISTORS•CAPACITORS•COILS•DELAY LINES



FEATURES

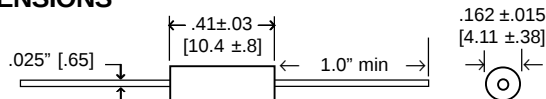
- ☐ MIL-grade performance at commercial grade prices due to automated production
- ☐ Electromagnetic shield
- ☐ Performance per MIL-C15305!
- ☐ **Delivery from stock**
- ☐ Tape & Reel packaging available.
- ☐ Standard inductance tolerance is $\pm 10\%$ (available to $\pm 3\%$)
- ☐ Marking is color banded or alpha numeric.

MILITARY EQUIVALENTS

MIL part numbers are given for reference only and do not imply QPL

Inductance Range	Grade	Class	MIL Standard
0.22 μ H - 0.82 μ H	1	A	MS-75087
1.0 μ H - 12 μ H	1	A	MS-75088
15 μ H - 10,000 μ H	1	A	MS-75089

DIMENSIONS



SPECIFICATIONS

Shielding	Less than 3% coupling
Temperature Range	-55 to +125°C
Insulation Resistance	1000 Megohm Min.
Dielectric Strength	1000 VAC Min.
Solderability	Per MIL-STD-202, M.208
Moisture Resistance	Per MIL-STD-202, M.106
Temp. Coef. of Inductance	+50 to +1500ppm/°C Typ.
Terminal Strength	5 lb. Pull, Axial
Vibration	Per MIL-STD-202, M.204
Shock	Per-MIL-STD-202, M.205

P/N DESIGNATION:

RCD Type _____ **PF0410 - 101 - K B W**

Inductance (uH): 2 digits & multiplier
e.g. R22=0.22uH, 1R0=1uH, 100=10uH, 101=100uH, 102=1000uH, 103=10,000uH

Tolerance Code: M=20%, K=10%, J=5%

Packaging: B = Bulk, T = Tape & Reel
(RCD option if not specified by customer)

Termination: W= Lead-free, Q= Tin/Lead (leave blank if either is acceptable, in which case RCD will select based on lowest price and quickest delivery)

Induc. (uH)	Q (Min.)	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (ohm)	Rated Current (mA, DC)
0.22	49	25	250	.067	1100
0.27	47	25	250	.11	855
0.33	46	25	250	.13	780
0.39	44	25	250	.18	670
0.47	44	25	235	.25	565
0.56	43	25	210	.33	490
0.68	42	25	190	.45	420
0.82	40	25	180	.59	370
1.0	44	25	140	.07	1070
1.2	44	7.9	130	.10	895
1.5	44	7.9	115	.12	815
1.8	44	7.9	105	.14	775
2.2	44	7.9	100	.19	650
2.7	44	7.9	92	.28	535
3.3	44	7.9	85	.35	480
3.9	44	7.9	75	.40	450
4.7	44	7.9	70	.55	380
5.6	44	7.9	65	.72	335
6.8	50	7.9	55	1.02	280
8.2	50	7.9	50	1.32	250
10	50	7.9	46	1.62	220
12	55	2.5	44	2.0	200
15	45	2.5	49	.8	315
18	45	2.5	45	.89	300
22	45	2.5	41	.96	290
27	45	2.5	38	1.19	260
33	45	2.5	34	1.37	240
39	45	2.5	29	1.93	205
47	50	2.5	27	2.11	195
56	50	2.5	25	2.23	190
68	50	2.5	21	2.70	170
82	50	2.5	10.5	2.44	180
100	50	2.5	10	3.12	160
120	55	.79	9.7	3.60	150
150	55	.79	8.5	4.10	140
180	55	.79	8.0	4.40	135
220	55	.79	7.5	5.00	125
270	55	.79	7.0	5.80	115
330	55	.79	6.5	6.40	110
390	60	.79	6.2	7.40	105
470	60	.79	5.7	9.50	92
560	60	.79	4.7	10.5	90
680	60	.79	4.5	11.8	80
820	60	.79	4.2	13.0	80
1000	60	.79	3.8	17.5	70
1200	45	.25	1.5	22.1	60
1500	45	.25	1.2	26.5	55
1800	45	.25	1.0	29.9	50
2200	45	.25	.97	33.8	50
2700	45	.25	.92	47.3	40
3300	45	.25	.84	53.0	40
3900	45	.25	.80	73.8	35
4700	45	.25	.74	81.6	31
5600	44	.25	.73	96.9	28
6800	40	.25	.66	111	27
8200	40	.25	.54	119	26
10,000	40	.25	.47	137	24

*Consult factory for non-standard values from 0.1uH to 100mH