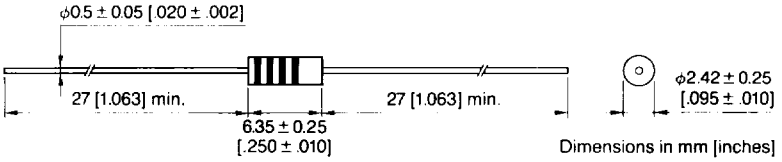
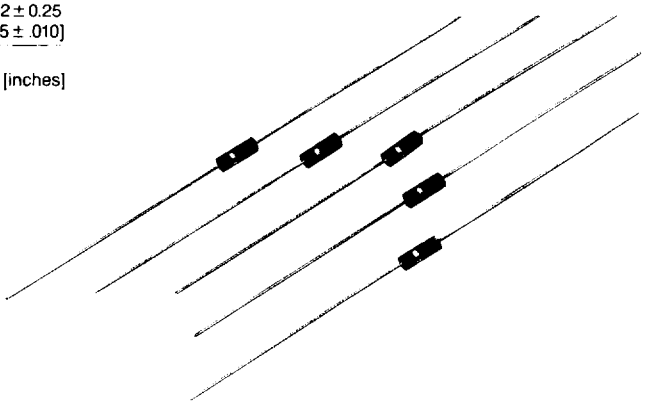
AXIAL LEAD TYPE, TP SERIES [RCJ APPROVED]

TP0206 TYPE



Dimensions in mm [inches]



CHARACTERISTICS

Operating temperature range	−55 to +125°C [−67 to +257°F] for 0.1 to 1μH −55 to +105°C [−67 to +221°F] for 1.2 to 100μH (including self-temperature rise, 20°C [36°F] max.)
Dielectric withstanding voltage (Atmospheric pressure)	1000 Vrms
Rated current	Based on the temperature rise
Terminal tensile strength	2.25kg min.

ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μH)	Q min.	Test frequency L, Q (MHz)	Self-resonant frequency (MHz) min.	DC resistance (Ω) max.	Rated current (mA) max.
TP0206-R10[ ]*	0.1 ± 10%, ± 5%, ± 2%	40	25.2	680	0.08	1350
TP0206-R12[ ]	0.12 ± 10%, ± 5%, ± 2%	40	25.2	640	0.09	1270
TP0206-R15[ ]	0.15 ± 10%, ± 5%, ± 2%	38	25.2	600	0.1	1200
TP0206-R18[ ]	0.18 ± 10%, ± 5%, ± 2%	35	25.2	550	0.12	1105
TP0206-R22[ ]	0.22 ± 10%, ± 5%, ± 2%	33	25.2	510	0.14	1025
TP0206-R27[ ]	0.27 ± 10%, ± 5%, ± 2%	33	25.2	430	0.16	960
TP0206-R33[ ]	0.33 ± 10%, ± 5%, ± 2%	30	25.2	410	0.22	815
TP0206-R39[ ]	0.39 ± 10%, ± 5%, ± 2%	30	25.2	365	0.3	700
TP0206-R47[ ]	0.47 ± 10%, ± 5%, ± 2%	30	25.2	330	0.35	650
TP0206-R56[ ]	0.56 ± 10%, ± 5%, ± 2%	30	25.2	300	0.5	545
TP0206-R68[ ]	0.68 ± 10%, ± 5%, ± 2%	28	25.2	275	0.6	495
TP0206-R82[ ]	0.82 ± 10%, ± 5%, ± 2%	28	25.2	250	0.85	415
TP0206-1R0[ ]	1 ± 10%, ± 5%, ± 2%	25	25.2	230	1	385
TP0206-1R2[ ]	1.2 ± 10%, ± 5%, ± 2%	25	7.96	150	0.18	590
TP0206-1R5[ ]	1.5 ± 10%, ± 5%, ± 2%	28	7.96	140	0.22	535
TP0206-1R8[ ]	1.8 ± 10%, ± 5%, ± 2%	30	7.96	125	0.3	455
TP0206-2R2[ ]	2.2 ± 10%, ± 5%, ± 2%	30	7.96	115	0.4	395
TP0206-2R7[ ]	2.7 ± 10%, ± 5%, ± 2%	37	7.96	100	0.55	355
TP0206-3R3[ ]	3.3 ± 10%, ± 5%, ± 2%	45	7.96	90	0.85	270
TP0206-3R9[ ]	3.9 ± 10%, ± 5%, ± 2%	45	7.96	80	1	250
TP0206-4R7[ ]	4.7 ± 10%, ± 5%, ± 2%	45	7.96	75	1.2	230
TP0206-5R6[ ]	5.6 ± 10%, ± 5%, ± 2%	50	7.96	65	1.8	185
TP0206-6R8[ ]	6.8 ± 10%, ± 5%, ± 2%	50	7.96	60	2	175
TP0206-8R2[ ]	8.2 ± 10%, ± 5%, ± 2%	55	7.96	55	2.7	155
TP0206-100[ ]	10 ± 10%, ± 5%, ± 2%	55	7.96	50	3.7	130
TP0206-120[ ]	12 ± 10%, ± 5%, ± 2%	45	2.52	40	2.7	155
TP0206-150[ ]	15 ± 10%, ± 5%, ± 2%	40	2.52	35	2.8	150
TP0206-180[ ]	18 ± 10%, ± 5%, ± 2%	50	2.52	30	3.1	145
TP0206-220[ ]	22 ± 10%, ± 5%, ± 2%	50	2.52	25	3.3	140
TP0206-270[ ]	27 ± 10%, ± 5%, ± 2%	50	2.52	20	3.5	135
TP0206-330[ ]	33 ± 10%, ± 5%, ± 2%	45	2.52	24	3.4	193
TP0206-390[ ]	39 ± 10%, ± 5%, ± 2%	45	2.52	22	3.6	185
TP0206-470[ ]	47 ± 10%, ± 5%, ± 2%	45	2.52	20	4.5	167

*[ ]: *Please specify inductance tolerance, K (± 10%), J (± 5%) or G (± 2%)*

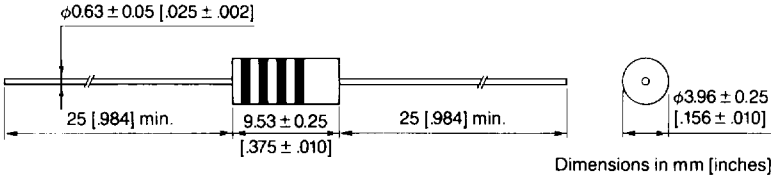
TP0206 TYPE

ELECTRICAL CHARACTERISTICS

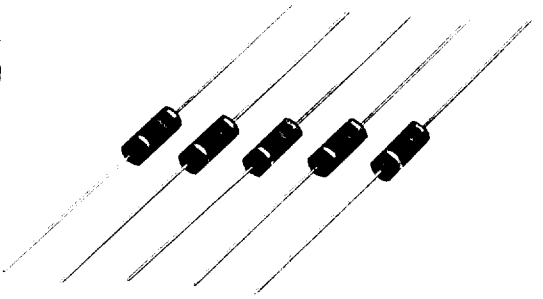
Part No.	Inductance (μH)	Q min.	Test frequency L, Q (MHz)	Self-resonant frequency (MHz) min.	DC resistance (Ω) max.	Rated current (mA) max.
TP0206-560□*	56 ± 10%, ± 5%, ± 2%	45	2.52	18	5.7	150
TP0206-680□	68 ± 10%, ± 5%, ± 2%	50	2.52	15	6.7	137
TP0206-820□	82 ± 10%, ± 5%, ± 2%	50	2.52	14	7.3	132
TP0206-101□	100 ± 10%, ± 5%, ± 2%	50	2.52	13	8	125

*□: *Please specify inductance tolerance, K (± 10%), J (± 5%) or G (± 2%)*

TP0410 TYPE



Dimensions in mm [inches]



CHARACTERISTICS

Operating temperature range	− 55 to +125°C [− 67 to +257°F] for 0.15 to 4.7μH − 55 to +105°C [− 67 to +221°F] for 5.6 to 1000μH (including self-temperature rise, 20°C [36°F] max.)
Dielectric withstanding voltage (Atmospheric pressure)	700 Vrms
Rated current	Based on the temperature rise
Terminal tensile strength	5kg min.

ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μH)	Q min.	Test frequency L, Q (MHz)	Self-resonant frequency (MHz) min.	DC resistance (Ω) max.	Rated current (mA) max.
TP0410-R15□*	0.15 ± 20%, ± 10%	50	25.2	525	0.03	2450
TP0410-R22□	0.22 ± 20%, ± 10%	50	25.2	450	0.055	1900
TP0410-R33□	0.33 ± 20%, ± 10%	45	25.2	360	0.09	1400
TP0410-R47□	0.47 ± 20%, ± 10%	45	25.2	310	0.12	1225
TP0410-R56□	0.56 ± 10%, ± 5%	50	25.2	280	0.135	1220
TP0410-R68□	0.68 ± 10%, ± 5%	50	25.2	250	0.15	1100
TP0410-R82□	0.82 ± 10%, ± 5%	50	25.2	220	0.22	900
TP0410-1R0□	1 ± 10%, ± 5%	50	25.2	200	0.29	830
TP0410-1R2□	1.2 ± 10%, ± 5%	33	7.96	180	0.42	650
TP0410-1R5□	1.5 ± 10%, ± 5%	33	7.96	160	0.5	600
TP0410-1R8□	1.8 ± 10%, ± 5%	33	7.96	150	0.65	525
TP0410-2R2□	2.2 ± 10%, ± 5%	33	7.96	135	0.95	435
TP0410-2R7□	2.7 ± 10%, ± 5%	33	7.96	120	1.2	385
TP0410-3R3□	3.3 ± 10%, ± 5%	33	7.96	110	2	300
TP0410-3R9□	3.9 ± 10%, ± 5%	33	7.96	100	2.3	280
TP0410-4R7□	4.7 ± 10%, ± 5%	33	7.96	90	2.6	260
TP0410-5R6□	5.6 ± 10%, ± 5%	70	7.96	60	0.32	750
TP0410-6R8□	6.8 ± 10%, ± 5%	75	7.96	55	0.5	600
TP0410-8R2□	8.2 ± 10%, ± 5%	75	7.96	50	0.6	545
TP0410-100□	10 ± 10%, ± 5%	80	7.96	45	0.9	445
TP0410-120□	12 ± 10%, ± 5%	90	2.52	42	1.1	404
TP0410-150□	15 ± 10%, ± 5%	90	2.52	40	1.4	370

*□: *Please specify inductance tolerance, M (± 20%), K (± 10%) or J (± 5%)*

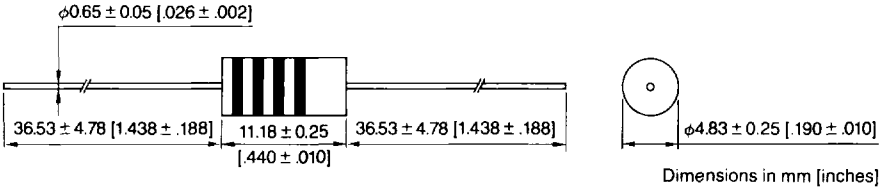
TP0410 TYPE

ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μH)	Q min.	Test frequency L, Q (MHz)	Self-resonant frequency (MHz) min.	DC resistance (Ω) max.	Rated current (mA) max.
TP0410-180□*	18 ± 10%, ± 5%	90	2.52	34	1.8	280
TP0410-220□	22 ± 10%, ± 5%	90	2.52	30	2.1	265
TP0410-270□	27 ± 10%, ± 5%	90	2.52	25	2.3	260
TP0410-330□	33 ± 10%, ± 5%	90	2.52	19	2.5	250
TP0410-360J	36 ± 5%	80	2.52	15.5	1.7	180
TP0410-390J	39 ± 5%	80	2.52	14.5	1.8	176
TP0410-430J	43 ± 5%	70	2.52	13.7	1.9	172
TP0410-470J	47 ± 5%	70	2.52	13	2	170
TP0410-510J	51 ± 5%	70	2.52	12.7	2.1	167
TP0410-560J	56 ± 5%	70	2.52	12	2.15	164
TP0410-620J	62 ± 5%	70	2.52	11.5	2.2	160
TP0410-680J	68 ± 5%	65	2.52	11	2.3	156
TP0410-750J	75 ± 5%	65	2.52	10.5	2.4	147
TP0410-820J	82 ± 5%	60	2.52	10.3	2.5	143
TP0410-910J	91 ± 5%	60	2.52	10	2.6	136
TP0410-101J	100 ± 5%	60	2.52	9.5	2.75	133
TP0410-111J	110 ± 5%	80	0.796	8.9	2.9	128
TP0410-121J	120 ± 5%	80	0.796	8.7	3	124
TP0410-131J	130 ± 5%	80	0.796	8.5	3.2	121
TP0410-151J	150 ± 5%	80	0.796	8	3.3	114
TP0410-161J	160 ± 5%	70	0.796	7.5	3.6	111
TP0410-181J	180 ± 5%	70	0.796	7	3.8	108
TP0410-201J	200 ± 5%	70	0.796	6.5	4.5	106
TP0410-221J	220 ± 5%	70	0.796	6.2	7	103
TP0410-241J	240 ± 5%	70	0.796	5.9	7.5	101
TP0410-271J	270 ± 5%	65	0.796	2.8	5.8	145
TP0410-301J	300 ± 5%	65	0.796	2.7	6.1	140
TP0410-331J	330 ± 5%	65	0.796	2.6	6.4	137
TP0410-361J	360 ± 5%	65	0.796	2.5	6.7	135
TP0410-391J	390 ± 5%	65	0.796	2.4	7	133
TP0410-431J	430 ± 5%	65	0.796	2.3	7.3	130
TP0410-471J	470 ± 5%	60	0.796	2.2	7.7	126
TP0410-511J	510 ± 5%	60	0.796	2.2	8.1	123
TP0410-561J	560 ± 5%	60	0.796	2.1	8.5	120
TP0410-621J	620 ± 5%	60	0.796	2	9	116
TP0410-681J	680 ± 5%	55	0.796	1.9	9.4	113
TP0410-751J	750 ± 5%	55	0.796	1.9	10	110
TP0410-821J	820 ± 5%	55	0.796	1.8	10.5	105
TP0410-911J	910 ± 5%	50	0.796	1.8	11.2	102
TP0410-102J	1000 ± 5%	50	0.796	1.7	12	100

*□: *Please specify inductance tolerance, K (± 10%) or J (± 5%)*

TP0511 TYPE



Dimensions in mm [inches]

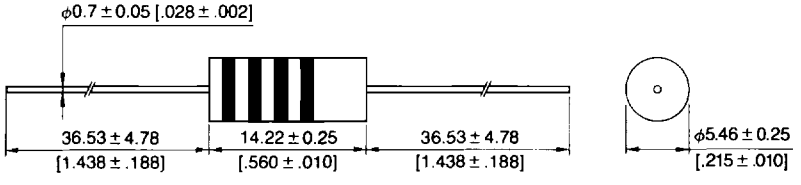
CHARACTERISTICS

Operating temperature range	−55 to +105°C [−67 to +221°F] (including self-temperature rise, 20°C [36°F] max.)
Dielectric withstanding voltage (Atmospheric pressure)	700 Vrms
Rated current	Based on the temperature rise
Terminal tensile strength	5kg min.

ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μH)	Q min.	Test frequency L, Q (MHz)	Self-resonant frequency (MHz) min.	DC resistance (Ω) max.	Rated current (mA) max.
TP0511-271J	270 ± 5%	100	0.796	5.6	6.5	110
TP0511-301J	300 ± 5%	100	0.796	5.3	7	107
TP0511-331J	330 ± 5%	100	0.796	5	7.2	105
TP0511-361J	360 ± 5%	100	0.796	4.7	7.5	102
TP0511-391J	390 ± 5%	100	0.796	4.5	8	100
TP0511-431J	430 ± 5%	100	0.796	4.3	8.5	97
TP0511-471J	470 ± 5%	100	0.796	4	9	95
TP0511-511J	510 ± 5%	100	0.796	3.8	9.5	93
TP0511-561J	560 ± 5%	100	0.796	3.6	10	91
TP0511-621J	620 ± 5%	100	0.796	3.5	10.7	88
TP0511-681J	680 ± 5%	100	0.796	3.4	11.2	85
TP0511-751J	750 ± 5%	100	0.796	3.3	11.6	83
TP0511-821J	820 ± 5%	100	0.796	3.1	12.2	81
TP0511-911J	910 ± 5%	100	0.796	2.9	12.7	79
TP0511-102J	1000 ± 5%	100	0.796	2.8	13	78

TP0514 TYPE



Dimensions in mm [inches]

CHARACTERISTICS

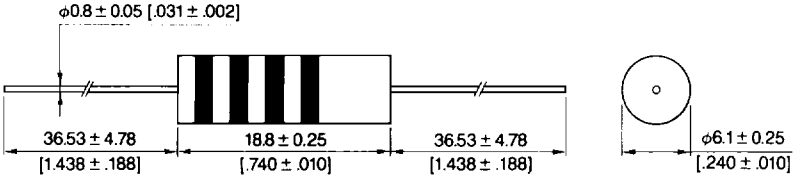
Dielectric withstanding voltage (Atmospheric pressure)	700 Vrms
Rated current	Based on the temperature rise
Terminal tensile strength	5kg min.

TP0514 TYPE

ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μH)	Q min.	Test frequency L, Q (MHz)	Self-resonant frequency (MHz) min.	DC resistance (Ω) max.	Rated current (mA) max.
TP0514-112J	1100 ± 5%	90	0.252	2.8	15	78
TP0514-122J	1200 ± 5%	90	0.252	2.7	16	76
TP0514-132J	1300 ± 5%	90	0.252	2.6	17	75
TP0514-152J	1500 ± 5%	90	0.252	2.4	18	72
TP0514-162J	1600 ± 5%	90	0.252	2.3	19	70
TP0514-182J	1800 ± 5%	90	0.252	2.2	20	68
TP0514-202J	2000 ± 5%	90	0.252	2.1	21	67
TP0514-222J	2200 ± 5%	90	0.252	2	23	66
TP0514-242J	2400 ± 5%	90	0.252	1.9	25	64
TP0514-272J	2700 ± 5%	90	0.252	1.8	27	62
TP0514-302J	3000 ± 5%	90	0.252	1.7	29	61
TP0514-332J	3300 ± 5%	90	0.252	1.6	31	58
TP0514-362J	3600 ± 5%	90	0.252	1.5	33	57

TP0619 TYPE



Dimensions in mm [inches]

CHARACTERISTICS

Dielectric withstanding voltage (Atmospheric pressure)	700Vrms
Rated current	Based on the temperature rise
Terminal tensile strength	5kg min.

ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μH)	Q min.	Test frequency L, Q (MHz)	Self-resonant frequency (MHz) min.	DC resistance (Ω) max.	Rated current (mA) max.
TP0619-392J	3900 ± 5%	110	0.252	1.45	44	61
TP0619-432J	4300 ± 5%	110	0.252	1.4	46	59
TP0619-472J	4700 ± 5%	110	0.252	1.35	48	58
TP0619-502J	5000 ± 5%	110	0.252	1.3	50	57
TP0619-562J	5600 ± 5%	110	0.252	1.25	53	56
TP0619-622J	6200 ± 5%	110	0.252	1.2	56	54
TP0619-682J	6800 ± 5%	110	0.252	1.15	59	52
TP0619-752J	7500 ± 5%	110	0.252	1.1	62	51
TP0619-822J	8200 ± 5%	110	0.252	1.05	65	50
TP0619-912J	9100 ± 5%	110	0.252	1	68	49
TP0619-103J	10000 ± 5%	110	0.252	0.95	72	47