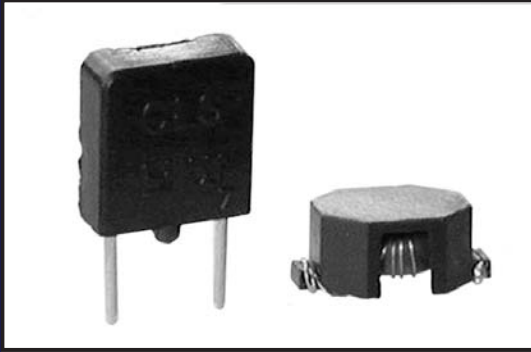


HIGH Q RF INDUCTORS

WCM 203 Series



PRODUCT DESCRIPTION

West Coast Magnetics' high Q RF inductors are designed for resonant circuit applications requiring exceptionally high Q's and tight tolerances on inductance specifications. These RF Inductors are mounted in a surface mount package which assures mechanical stability and excellent lead coplanarity. This SMD package is suitable for automatic pick and place equipment.

FEATURES - BENEFITS



High Q values at RF frequencies • Standard Inductance tolerance +/-5% • Tighter tolerances available on request • Surface Mount • Tape and Reel • Custom designs available

Part Number	Inductance, ($\mu\text{H} \pm 5\%$)	Q min at	Frequency (MHz)	Q min at	Frequency (MHz)	Q min at	Frequency (MHz)	DCR nom (milliohms)	Self Resonant Freq.
203-01	.039	60	50	70	70	80	100	37	>700
203-02	.047	60	50	70	70	80	100	40	665
203-03	.056	60	50	70	70	80	100	47	555
203-04	.068	80	30	90	50	90	70	27	500
203-05	.082	80	30	95	50	90	70	30	480
203-06	.100	85	30	95	50	90	70	33	450
203-07	.120	85	30	95	50	90	70	37	410
203-08	.150	75	20	85	30	95	50	44	335
203-09	.180	80	20	90	30	95	50	47	320
203-10	.200	85	20	95	30	100	50	51	290
203-11	.270	100	15	110	20	105	30	37	250
203-12	.330	100	15	110	20	105	30	40	230
203-13	.390	100	10	115	20	110	30	54	205
203-14	.470	100	10	115	20	110	30	63	180
203-15	.560	100	10	115	20	110	30	83	170
203-16	.680	105	10	110	20	95	30	83	155
203-17	.820	105	10	110	20	95	30	120	140
203-18	1.000	110	10	110	20	90	30	130	120
203-19	1.200	110	10	110	20	90	30	150	110
203-20	1.500	110	7	120	10	110	15	200	100
203-21	1.800	110	7	120	10	110	15	230	90
203-22	2.200	115	7	120	10	110	15	250	75
203-23	2.700	115	7	115	10	110	15	440	62
203-24	3.300	100	4	115	7	115	10	480	55
203-25	3.900	100	4	115	7	115	10	530	46
203-26	4.700	100	4	110	7	110	10	570	43
203-27	5.600	100	4	110	7	110	10	980	36
203-28	6.800	100	4	105	7	105	10	1080	32
203-29	8.200	100	4	105	7	100	10	1210	28
203-30	10.000	100	4	95	7	95	10	1310	26

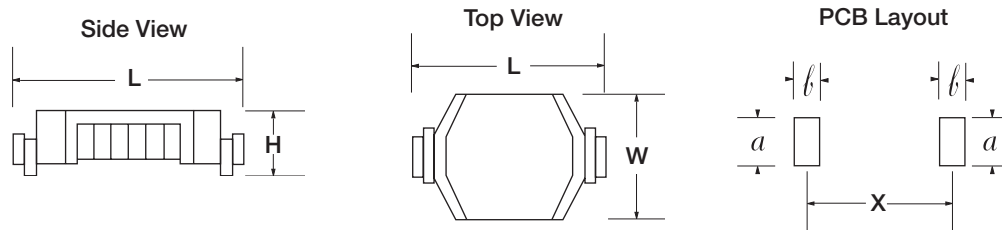


HIGH Q RF INDUCTORS

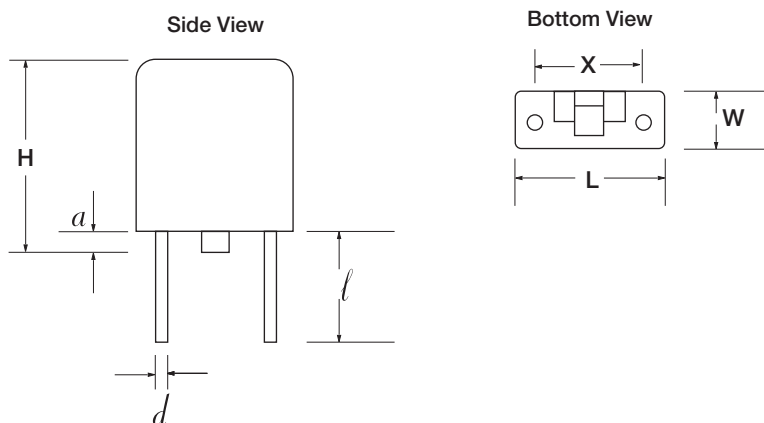
WCM 203 Series

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

SmD Option



Through Hole Option



203 Series Dimensional Data

OPTION	L	W	H	X	a	b	d	l
SmD	$\frac{.330}{8.4}$	$\frac{.225}{5.7}$	$\frac{.160}{4.1}$	$\frac{.286}{7.3}$	$\frac{.125}{3.2}$	$\frac{.060}{1.5}$	NA	NA
Through Hole	$\frac{.275}{7.0}$	$\frac{.104}{2.6}$	$\frac{.345}{8.8}$	$\frac{.197}{5.0}$	$\frac{.040}{1.0}$	NA	$\frac{.025}{0.6}$	$\frac{.197}{5.0}$

Note: All materials of construction minimum Class B 130 degrees C rated.

