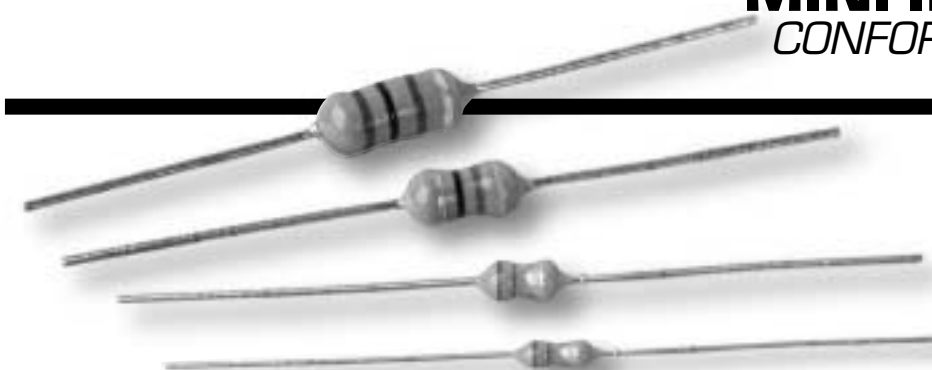


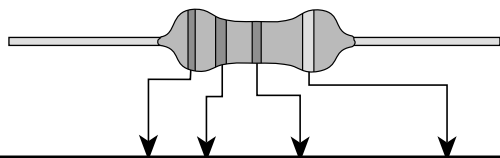
RL-1505

RL-1506, RL-1507, RL-1508 MINI-INDUCTORS CONFORMALLY COATED



MARKING

The nominal inductance is marked by a color code as listed in the table below.



Color	Nominal inductance (μH)			Tolerance
	First figure	Second figure	Decade Power Multiplier	
Black	0		1	$\pm 20\%$
Brown	1		10	
Red	2		100	
Orange	3		1000	
Yellow	4		-	
Green	5		-	
Blue	6		-	
Purple	7		-	
Grey	8		-	
White	9		-	
Gold	--		0.1	$\pm 5\%$
Silver	--		0.01	$\pm 10\%$

Small inductors having high Q and low distributed capacity. Excellent for use where space, weight and size is a factor. Temperature range: -25°C to $+85^{\circ}\text{C}$. Suitable for automatic insertion. Standard industry color codes identify values.

Temperature Range: -25°C to $+85^{\circ}\text{C}$
Standard Packaging: 2,000 pieces on tape in ammo box. Any quantity for bulk packaging



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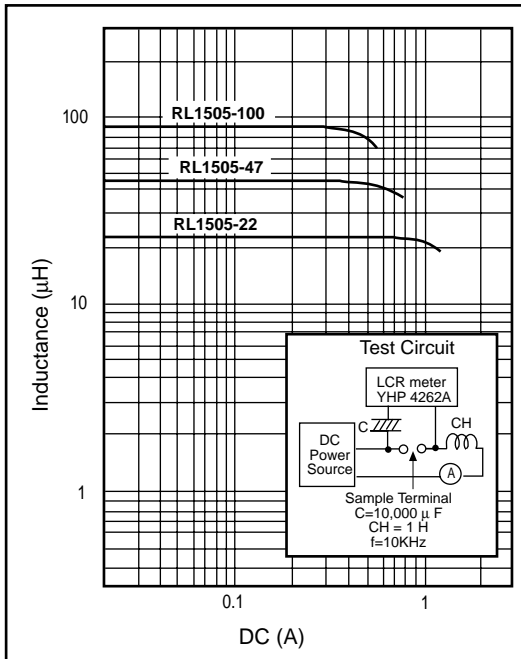
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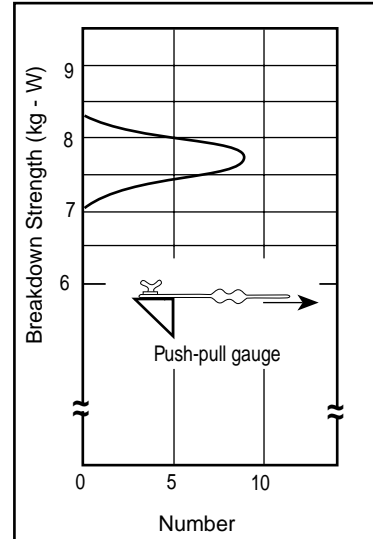
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RL-1505 Renco Part No.	Nominal Inductance (μH)	Inductance Tolerance	Q (min.)	Self-resonant frequency (MHz) (min.)	DC Resistance Ω max	Allowed DC (mA)	Measuring frequency (MHz)
RL-1505-12	12	± 10%	30	11.0	0.15	1.05	2.52
RL-1505-15	15			10.0	0.16	1.00	
RL-1505-18	18			9.0	0.18	0.82	
RL-1505-22	22			8.0	0.19	0.80	
RL-1505-27	27			7.0	0.21	0.70	
RL-1505-33	33			6.0	0.22	0.60	
RL-1505-35	35		5.5	0.30	0.54	0.796	
RL-1505-47	47		5.0	0.32	0.52		
RL-1505-56	56		4.5	0.36	0.49		
RL-1505-68	68		4.0	0.40	0.45		
RL-1505-82	82		3.7	0.43	0.40		
RL-1505-100	100		3.3	0.56	0.37		
RL-1505-120	120		3.0	1.10	0.31	0.796	
RL-1505-150	150		2.6	1.20	0.27		
RL-1505-180	180		2.3	1.30	0.25		
RL-1505-220	220		2.0	1.40	0.22		

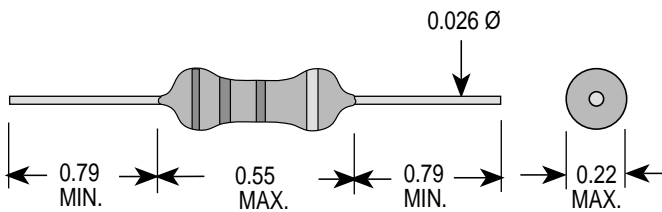
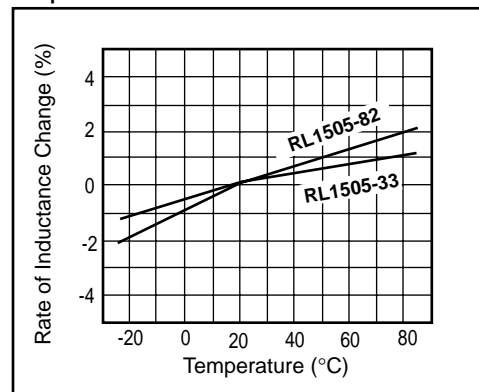
DC Characteristics



Tensile Strength



Temperature Characteristics



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RL-1506 Renco Part No.	Nominal Inductance (μH)	Inductance Tolerance	Q (min.)	Self-resonant frequency (MHz)	DC Resistance Ω max	Allowed DC (mA)	Measuring frequency (MHz)		
RL-1506-.22	0.22	± 20%	45	300	0.10	1400	25.2		
RL-1506-.27	0.27			270	0.11	1320			
RL-1506-.33	0.33			250	0.12	1280			
RL-1506-.39	0.39			230	0.13	1200			
RL-1506-.47	0.47			220	0.14	1150			
RL-1506-.56	0.56			200	0.15	1100			
RL-1506-.68	0.68			190	0.16	1030			
RL-1506-.82	0.82			172	0.17	980			
RL-1506-1.0	1.0			157	0.19	920			
RL-1506-1.2	1.2			50	144	0.21		880	7.96
RL-1506-1.5	1.5			131	0.23	830			
RL-1506-1.8	1.8			55	121	0.25		790	
RL-1506-2.2	2.2			110	0.28	750			
RL-1506-2.7	2.7			60	100	0.30		720	
RL-1506-3.3	3.3	± 10%	65	94	0.34	670	2.52		
RL-1506-3.9	3.9		65	65	0.37	640			
RL-1506-4.7	4.7		70	56	0.39	620			
RL-1506-5.6	5.6		70	48	0.43	590			
RL-1506-6.8	6.8		75	37	0.48	550			
RL-1506-8.2	8.2		80	25	0.52	530			
RL-1506-10	10.0		65	21	0.58	500			
RL-1506-12	12.0		50	19	0.63	480			
RL-1506-15	15.0			17	0.72	460			
RL-1506-18	18.0			13	0.77	430			
RL-1506-22	22.0			9.6	0.84	410			
RL-1506-27	27.0			55	7.2	0.94	390		
RL-1506-33	33.0			6.3	1.03	370			
RL-1506-39	39.0			50	6.3	1.12	350		
RL-1506-47	47.0			45	6.3	1.22	340		
RL-1506-56	56.0			6.2	1.34	320			
RL-1506-68	68.0			40	5.7	1.47	305		
RL-1506-82	82.0		35	5.3	1.62	290	0.796		
RL-1506-100	100.0		30	4.8	1.80	275			
RL-1506-120	120.0		55	3.8	3.70	185			
RL-1506-150	150.0		45	3.5	4.20	175			
RL-1506-180	180.0		50	3.3	4.60	165			
RL-1506-220	220.0		55	3.0	5.10	155			
RL-1506-270	270.0		65	2.8	5.80	145			
RL-1506-330	330.0			2.6	6.40	137			
RL-1506-390	390.0		2.4	7.00	133				
RL-1506-470	470.0		60	2.25	7.70	126			
RL-1506-560	560.0		55	2.10	8.50	120			
RL-1506-680	680.0	1.95		9.40	113				
RL-1506-820	820.0	1.85		10.50	105				
RL-1506-1000	1000.0	50	1.40	14.00	100				



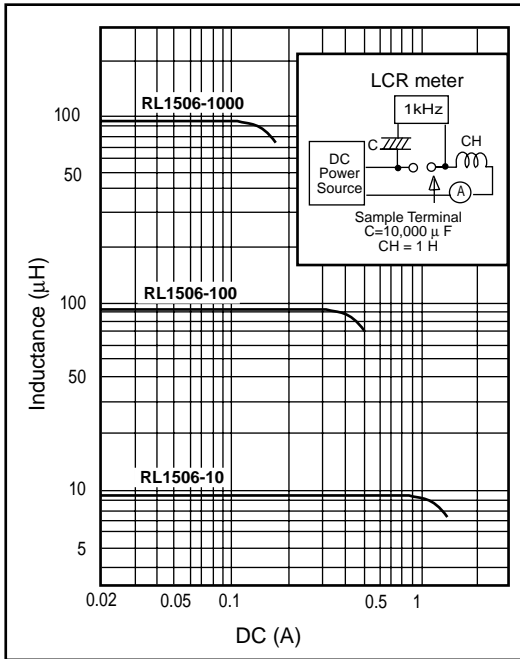
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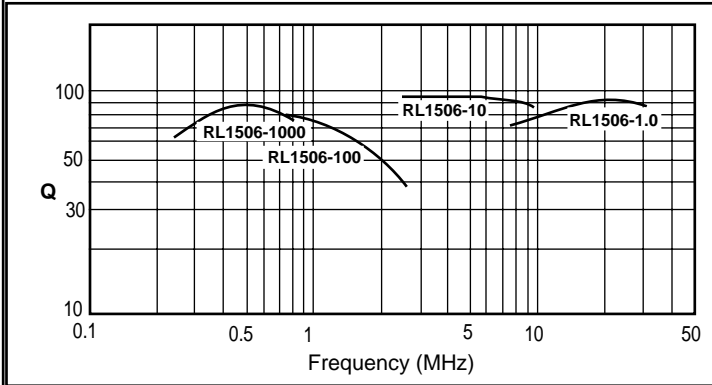
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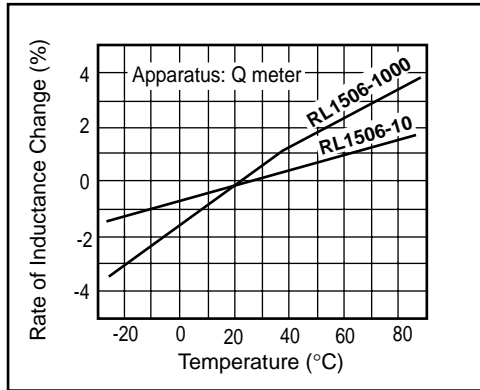
DC Characteristics



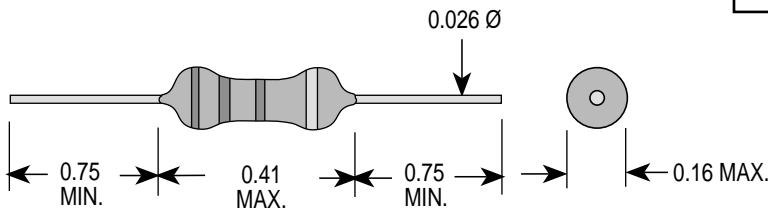
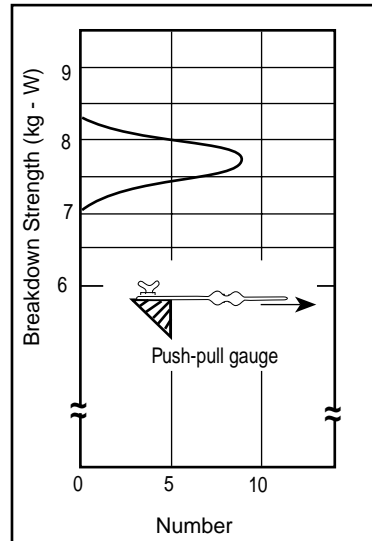
Q-Frequency Characteristics



Temperature Characteristics



Tensile Strength



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RL-1507										
Renco Part No.	Nominal Inductance (μH)	Inductance Tolerance	Q (min.)	Self-resonant frequency (MHz)	DC Resistance Ω max	Allowed DC (mA)	Measuring frequency (MHz)			
RL-1507-22	0.22	± 20%	35	150	0.40	400	25.2			
RL-1507-27	0.27			150	0.43	380				
RL-1507-33	0.33			150	0.48	370				
RL-1507-39	0.39			150	0.51	350				
RL-1507-47	0.47			40	150	0.56		330		
RL-1507-56	0.56				150	0.61		320		
RL-1507-68	0.68		150		0.67	310				
RL-1507-82	0.82		± 10%	50	150	0.74		290	7.96	
RL-1507-1.0	1.0				150	0.80		270		
RL-1507-1.2	1.2				144	0.90		260		
RL-1507-1.5	1.5				131	1.0		250		
RL-1507-1.8	1.8				121	1.1		240		
RL-1507-2.2	2.2				110	1.2		230		
RL-1507-2.7	2.7				100	1.3		220		
RL-1507-3.3	3.3				94	1.4		210		
RL-1507-3.9	3.9	65			1.6	200				
RL-1507-4.7	4.7	56			1.7	190				
RL-1507-5.6	5.6	48			1.9	180				
RL-1507-6.8	6.8	37			2.0	175				
RL-1507-8.2	8.2	25			2.2	165				
RL-1507-10	10.0	21			2.5	160				
RL-1507-12	12.0	± 10%			50	19	2.5	150		2.52
RL-1507-15	15.0		17	2.8		145				
RL-1507-18	18.0		13	3.1		140				
RL-1507-22	22.0		9.6	3.4		130				
RL-1507-27	27.0		7.2	3.8		125				
RL-1507-33	33.0		6.3	4.1		120				
RL-1507-39	39.0		6.3	4.5		115				
RL-1507-47	47.0		6.3	4.9		110				
RL-1507-56	56.0		6.2	5.3		105				
RL-1507-68	68.0		5.7	5.8		100				
RL-1507-82	82.0		5.3	6.3		95				
RL-1507-100	100.0		4.8	7.0		90				
RL-1507-120	120.0		± 10%	50		3.8	13.0	90	0.796	
RL-1507-150	150.0					3.5	15.0	85		
RL-1507-180	180.0					3.3	16.0	80		
RL-1507-220	220.0	3.0			17.0	75				
RL-1507-270	270.0	2.8			19.0	65				
RL-1507-330	330.0	2.6			20.0	60				
RL-1507-390	390.0	2.4			22.0	55				
RL-1507-470	470.0	2.25			24.0	55				
RL-1507-560	560.0	2.10			26.0	50				
RL-1507-680	680.0	1.95			28.0	45				
RL-1507-820	820.0	1.85			30.0	40				
RL-1507-1000	1000.0	1.40			33.0	40				



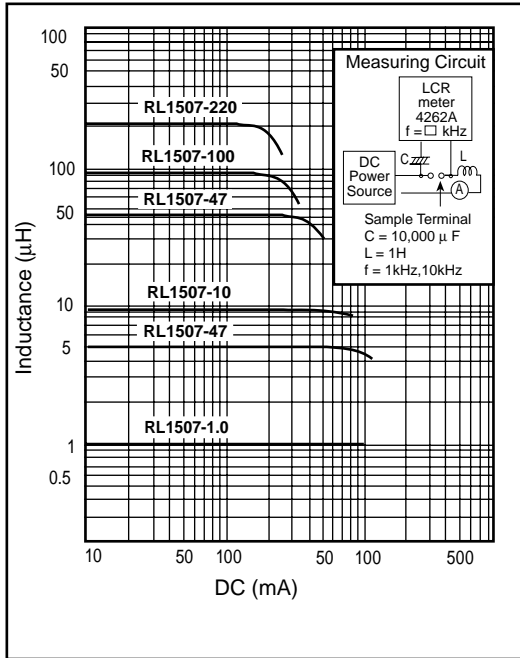
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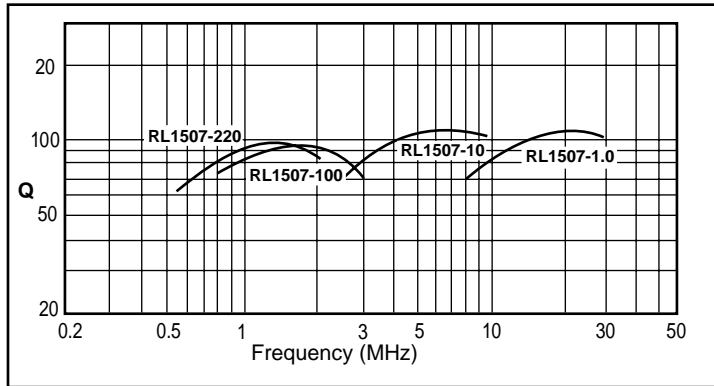
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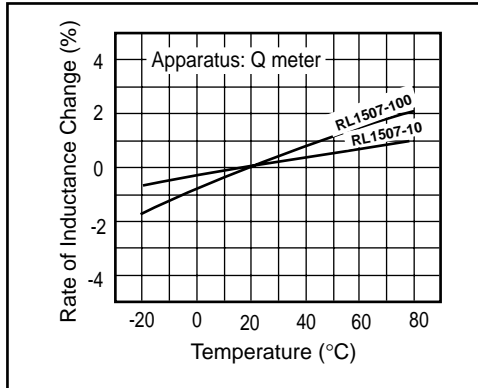
DC Characteristics



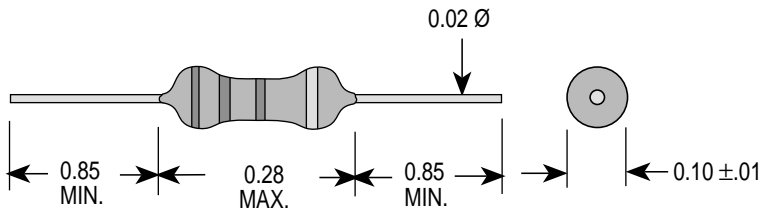
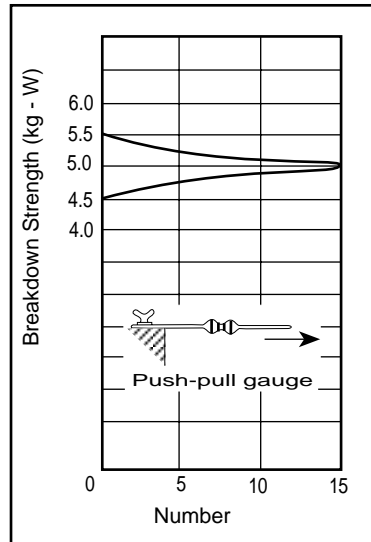
Q-Frequency Characteristics



Temperature Characteristics



Tensile Strength



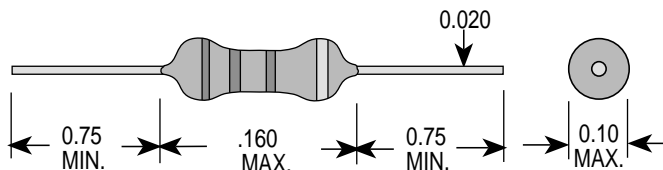
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RL-1508 Renco Part No.	Inductance		Q min	Test FREQ. (MHz)	S.R.F. (MHz) min.	DCR (OHM) max	IDC (mA)
	L (μH)	TOI % ±					
RL-1508-.10	0.10	20	35	25.20	300.00	0.18	700
RL-1508-.12	0.12	20	35	25.20	300.00	0.20	660
RL-1508-.15	0.15	20	35	25.20	300.00	0.22	620
RL-1508-.18	0.18	20	35	25.20	300.00	0.24	600
RL-1508-.22	0.22	20	35	25.20	150.00	0.40	400
RL-1508-.27	0.27	20	35	25.20	150.00	0.43	380
RL-1508-.33	0.33	20	35	25.20	150.00	0.48	370
RL-1508-.39	0.39	20	35	25.20	150.00	0.51	350
RL-1508-.47	0.47	20	35	25.20	150.00	0.56	330
RL-1508-.56	0.56	20	35	25.20	150.00	0.61	320
RL-1508-.68	0.68	20	35	25.20	150.00	0.67	310
RL-1508-.82	0.82	20	35	25.20	150.00	0.74	290
RL-1508-1.0	1.00	20	35	25.20	150.00	0.80	270
RL-1508-1.2	1.20	20	40	7.960	110.00	0.90	260
RL-1508-1.5	1.50	20	40	7.960	70.00	1.00	250
RL-1508-1.8	1.80	20	40	7.960	60.00	1.10	240
RL-1508-2.2	2.20	20	40	7.960	45.00	1.20	230
RL-1508-2.7	2.70	20	40	7.960	40.00	1.30	220
RL-1508-3.3	3.30	20	40	7.960	38.00	1.40	210
RL-1508-3.9	3.90	10	40	7.960	36.00	1.50	200
RL-1508-4.7	4.70	10	40	7.960	32.00	1.70	190
RL-1508-5.6	5.60	10	40	7.960	30.00	1.90	180
RL-1508-6.8	6.80	10	40	7.960	28.00	2.00	175
RL-1508-8.2	8.20	10	40	7.960	26.00	2.20	165
RL-1508-10	10.0	10	40	7.960	24.00	2.50	160
RL-1508-12	12.0	10	40	2.520	22.00	2.50	150
RL-1508-15	15.0	10	40	2.520	20.00	2.80	145
RL-1508-18	18.0	10	40	2.520	18.00	3.10	140
RL-1508-22	22.0	10	40	2.520	17.00	3.40	100
RL-1508-27	27.0	10	40	2.520	16.00	4.30	80
RL-1508-33	33.0	10	40	2.520	14.00	4.70	75
RL-1508-39	39.0	10	40	2.520	13.00	5.20	74
RL-1508-47	47.0	10	40	2.520	12.00	5.80	70
RL-1508-56	56.0	10	40	2.520	11.00	6.40	68
RL-1508-68	68.0	10	40	2.520	10.00	7.20	64
RL-1508-82	82.0	10	40	2.520	9.50	11.00	46
RL-1508-100	100	10	40	2.520	9.00	12.00	44
RL-1508-120	120	10	40	0.796	8.00	13.00	42
RL-1508-150	150	10	40	0.796	6.00	16.00	39
RL-1508-180	180	10	40	0.796	5.50	18.00	37
RL-1508-220	220	10	40	0.796	5.00	20.00	35
RL-1508-270	270	10	40	0.796	4.60	25.00	28
RL-1508-330	330	10	40	0.796	4.20	30.00	26
RL-1508-390	390	10	40	0.796	3.80	34.00	25
RL-1508-470	470	10	40	0.796	3.50	38.00	24



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