

AUTOMOTIVE GRADE MULTILAYER CHIP RF INDUCTOR

OPERATING TEMP.	1005 : -55 +125
	1608 : -40 +85



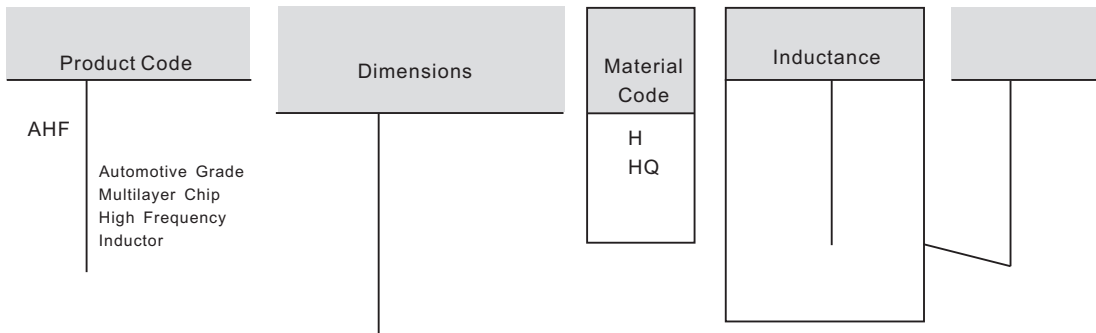
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AEC- Q200

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Automotive multimedia, wireless connection system and body comfort system.

AHF 100505 HQ 3N3 S T



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unit mm(inch)

Part No .				



ELECTRICAL CHARACTERISTICS

1608 TYPE

Part No.	Inductance (nH)	Q (Min)	Test Fre. (MHz)	Q Frequency (MHz)			SRF (MHz)Min	DC R ()Max	Ir(mA) Max
				100	800	1000			
AHF160808H1N0ST	1.0	8	100	14	50	60	10000	0.05	500
AHF160808H1N2ST	1.2	8	100	14	50	65	10000	0.05	500
AHF160808H1N5ST	1.5	8	100	13	42	62	6000	0.10	500
AHF160808H1N8ST	1.8	8	100	13	40	56	6000	0.10	500
AHF160808H2N0ST	2.0	8	100	13	38	54	6000	0.10	500
AHF160808H2N2ST	2.2	8	100	13	38	54	6000	0.10	500
AHF160808H2N4ST	2.4	8	100	13	36	52	6000	0.12	500
AHF160808H2N7ST	2.7	10	100	12	36	52	6000	0.12	500
AHF160808H3N3ST	3.3	10	100	12	35	50	6000	0.15	500
AHF160808H3N6ST	3.6	10	100	13	35	50	6000	0.16	500
AHF160808H3N9ST	3.9	10	100	12	34	50	6000	0.16	500
AHF160808H4N3ST	4.3	10	100	13	33	50	6000	0.18	500
AHF160808H4N7ST	4.7	10	100	13	33	50	6000	0.20	500
AHF160808H5N1ST	5.1	10	100	13	32	48	5500	0.25	500
AHF160808H5N6ST	5.6	10	100	14	32	48	5000	0.25	500
AHF160808H6N8JT	6.8	10	100	14	32	50	5000	0.30	500
AHF160808H7N5JT	7.5	10	100	14	32	48	4500	0.35	500
AHF160808H8N2JT	8.2	10	100	14	30	48	4500	0.35	500
AHF160808H9N1JT	9.1	10	100	14	30	48	3500	0.40	500
AHF160808H10NJT	10	12	100	15	29	50	3500	0.40	300
AHF160808H12NJT	12	12	100	14	29	50	3000	0.45	300
AHF160808H15NJT	15	12	100	15	29	50	2300	0.50	300
AHF160808H18NJT	18	12	100	16	29	51	2200	0.55	300
AHF160808H22NJT	22	12	100	16	28	48	2000	0.60	300
AHF160808H27NJT	27	12	100	16	28	45	1700	0.65	300
AHF160808H33NJT	33	12	100	16	28	41	1500	0.70	300
AHF160808H39NJT	39	12	100	17	28	48	1400	0.70	300
AHF160808H47NJT	47	12	100	17	28	35	1200	0.70	300
AHF160808H56NJT	56	12	100	17	26	30	1100	0.75	300
AHF160808H68NJT	68	12	100	17	26	20	900	0.85	300
AHF160808H82NJT	82	8	100	15	22	-	800	1.00	300
AHF160808HR10JT	100	8	100	15	16	-	700	1.20	300
AHF160808HR12JT	120	8	50	15	-	-	600	1.40	200
AHF160808HR15JT	150	8	50	15	-	-	500	1.60	200
AHF160808HR18JT	180	8	50	15	-	-	400	1.90	200
AHF160808HR22JT	220	8	50	15	-	-	350	2.40	200
AHF160808HR27JT	270	8	50	16	-	-	350	2.60	150
AHF160808HR33JT	330	8	50	16	-	-	350	2.80	150
AHF160808HR39JT	390	8	50	16	-	-	300	3.20	150
AHF160808HR43JT	430	8	50	16	-	-	280	3.40	150
AHF160808HR47JT	470	8	50	15	-	-	250	3.60	150

1608 TYPE

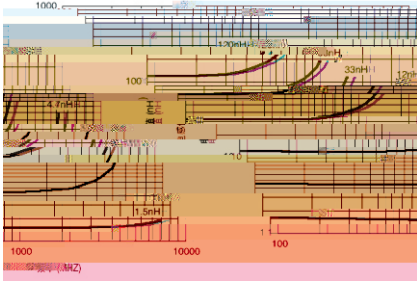
Part No.	Inductance (nH)	Q (Min)	Test Fre. (MHz)	Q Frequency (MHz)			SRF (MHz)Min	DC R ()Max	Ir(mA) Max
				100	800	1000			
AHF160808HQ1N0ST	1.0	8	100	13			10000	0.05	
AHF160808HQ1N2ST	1.2	8	100	13			10000	0.05	
AHF160808HQ1N5ST	1.5	8	100	13			6000	0.10	
AHF160808HQ1N8ST	1.8	8	100	13			6000	0.10	
AHF160808HQ2N0ST	2.0	8	100	13			6000	0.10	
AHF160808HQ2N2ST	2.2	8	100	13			6000	0.10	
AHF160808HQ2N4ST	2.4	8	100	13			6000	0.12	
AHF160808HQ2N7ST	2.7	10	100	13			6000	0.12	
AHF160808HQ3N3ST	3.3	10	100	13			6000	0.15	
AHF160808HQ3N6ST	3.6	10	100	13			6000	0.16	
AHF160808HQ3N9ST	3.9	10	100	13			6000	0.16	
AHF160808HQ4N3ST	4.3	10	100	13			6000	0.18	
AHF160808HQ4N7ST	4.7	10	100	13			6000	0.20	
AHF160808HQ5N1ST	5.1	10	100	13			5500	0.25	
AHF160808HQ5N6ST	5.6	10	100	14			5000	0.25	
AHF160808HQ6N8JT	6.8	10	100	14			5000	0.30	
AHF160808HQ7N5JT	7.5	10	100	14			4500	0.35	
AHF160808HQ8N2JT	8.2	10	100	14			4500	0.35	
AHF160808HQ9N1JT	9.1	10	100	14			3500	0.40	
AHF160808HQ10NJT	10	12	100	15			3500	0.40	
AHF160808HQ12NJT	12	12	100	18			3000	0.45	
AHF160808HQ15NJT	15	12	100	18			2300	0.50	
AHF160808HQ18NJT	18	12	100	16			2200	0.55	
AHF160808HQ22NJT	22	12	100	16			2000	0.60	
AHF160808HQ27NJT	27	12	100	16			1700	0.65	
AHF160808HQ33NJT	33	12	100	16			1500	0.70	
AHF160808HQ39NJT	39	12	100	17			1400	0.75	
AHF160808HQ47NJT	47	12	100	17			1200	0.6	
AHF160808HQ56NJT	56	12	100	17			1100	35	
AHF160808HQ68NJT	68	12	100	17			900	0.00	
AHF160808HQ82NJT	82	8	100	15			800	0.18	
AHF160808HQR10JT	100	8	100	15			700	0.40	
AHF160808HQR12JT	120	8	50	15			600	0.55	
AHF160808HQR15JT	150	8	50	15			500	0.40	
AHF160808HQR18JT	180	8	50	15			400	0.35	
AHF160808HQR22JT	220	8	50	15			350	0.55	
AHF160808HQR27JT	270	8	50	16			350	35	
AHF160808HQR33JT	330	8	50	16			350	0.18	
AHF160808HQR39JT	390	8	50	16			300	0.35	
AHF160808HQR43JT	430	8	50	16			280	0.50	
AHF160808HQR47JT	470	8	50	15			250	50	

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700
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700

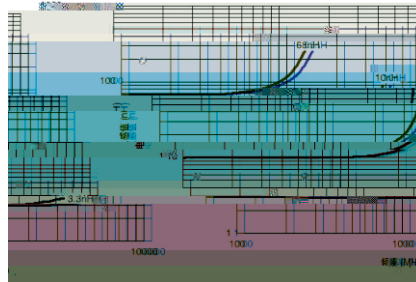
CHARACTERISTICS CURVES

Inductance VS. Frequency

AHF1005

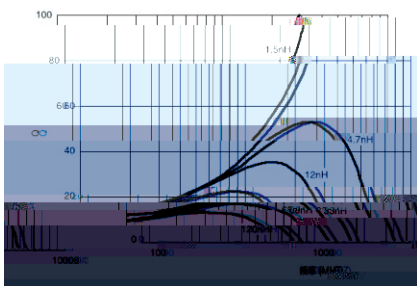


AHF1608



Q 頻 Q Value VS. Frequency

AHF1005



AHF1608

