

Wound Inductors

HNL 322522/T-453232/T Series



Features

- High resistance to heat and humidity.
- Resistant to mechanical shocks and pressures.

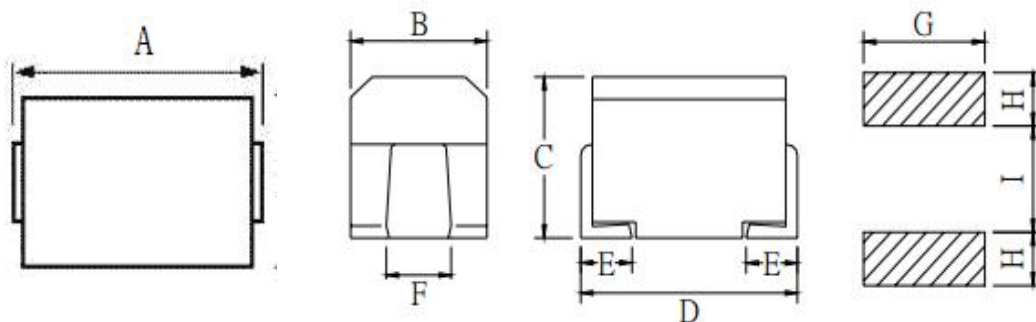
Application

- Communication Products
Liquid crystal TV, Video camera

Tolerance

- (J \pm 5%, K \pm 10%, M \pm 20%)

Configurations & Dimensions



Dimensions

Chip Size

Units:mm

TYPE	A	B	C	D	E	F	G	H	I
HNL322522	3.2 \pm 0.2	2.5 \pm 0.2	2.2 \pm 0.2	3.2 \pm 0.4	0.6	1.0	3	1.0	2.0
HNL453232	4.5 \pm 0.2	3.2 \pm 0.2	3.2 \pm 0.2	4.5 \pm 0.2	0.9	1.2	4	1.5	3.0
HNL322522T	3.2 \pm 0.2	2.5 \pm 0.2	2.2 \pm 0.2	3.2 \pm 0.4	0.6	1.0	3	1.0	2.0
HNL453232T	4.5 \pm 0.2	3.2 \pm 0.2	3.2 \pm 0.2	4.5 \pm 0.2	0.9	1.2	4	1.5	3.0

Wound Inductors(High Frequency)

HNL 322522 Series



Speciflcations HNL322522

(Standard)

Part Number	Inductance (uH)	Tolerance (%)	Q min	SRF(MHz) min	DCR (Ω) max	Rated DC Current (mA) max
HNL322522-R10 □	0.1&100MHz	K, M	28.0	700	0.44	450
HNL322522-R12 □	0.12&25.2MHz	K, M	30.0	500	0.22	450
HNL322522-R15 □	0.15&25.2MHz	K, M	30.0	450	0.25	450
HNL322522-R18 □	0.18&25.2MHz	K, M	30.0	400	0.28	450
HNL322522-R22 □	0.22&25.2MHz	K, M	30.0	350	0.32	450
HNL322522-R27 □	0.27&25.2MHz	K, M	30.0	320	0.36	450
HNL322522-R33 □	0.33&25.2MHz	K, M	30.0	300	0.40	450
HNL322522-R39 □	0.39&25.2MHz	K, M	30.0	250	0.45	450
HNL322522-R47 □	0.47&25.2MHz	K, M	30.0	220	0.50	450
HNL322522-R56 □	0.56&25.2MHz	K, M	30.0	180	0.55	450
HNL322522-R68 □	0.68&25.2MHz	K, M	30.0	160	0.60	450
HNL322522-R82 □	0.82&25.2MHz	K, M	30.0	140	0.65	450
HNL322522-1R0 □	1.0&7.96MHz	J, K	30.0	120	0.70	400
HNL322522-1R2 □	1.2&7.96MHz	J, K	30.0	100	0.75	390
HNL322522-1R5 □	1.5&7.96MHz	J, K	30.0	85	0.85	370
HNL322522-1R8 □	1.8&7.96MHz	J, K	30.0	80	0.90	350
HNL322522-2R2 □	2.2&7.96MHz	J, K	30.0	75	1.00	320
HNL322522-2R7 □	2.7&7.96MHz	J, K	30.0	70	1.10	290
HNL322522-3R3 □	3.3&7.96MHz	J, K	30.0	60	1.20	260
HNL322522-3R9 □	3.9&7.96MHz	J, K	30.0	55	1.30	250
HNL322522-4R7 □	4.7&7.96MHz	J, K	30.0	50	1.50	220
HNL322522-5R6 □	5.6&7.96MHz	J, K	30.0	45	1.60	200
HNL322522-6R8 □	6.8&7.96MHz	J, K	30.0	40	1.80	180
HNL322522-8R2 □	8.2&7.96MHz	J, K	30.0	35	2.00	170
HNL322522-100 □	10&2.52MHz	J, K	30.0	30	2.10	150
HNL322522-120 □	12&2.52MHz	J, K	30.0	20	2.50	140
HNL322522-150 □	15&2.52MHz	J, K	30.0	20	2.80	130
HNL322522-180 □	18&2.52MHz	J, K	30.0	20	3.30	120
HNL322522-220 □	22&2.52MHz	J, K	30.0	20	3.70	110
HNL322522-270 □	27&2.52MHz	J, K	30.0	20	5.00	80
HNL322522-330 □	33&2.52MHz	J, K	30.0	17	5.60	70
HNL322522-390 □	39&2.52MHz	J, K	30.0	16	6.40	65
HNL322522-470 □	47&2.52MHz	J, K	30.0	15	7.00	60
HNL322522-560 □	56&2.52MHz	J, K	30.0	13	8.00	55
HNL322522-680 □	68&2.52MHz	J, K	30.0	12	9.00	50
HNL322522-820 □	82&2.52MHz	J, K	30.0	11	10.00	45
HNL322522-101 □	100&0.796MHz	J, K	20.0	10	10.00	40
HNL322522-121 □	120&0.796MHz	J, K	20.0	10	11.00	70
HNL322522-151 □	150&0.796MHz	J, K	20.0	8	15.00	65
HNL322522-181 □	180&0.796MHz	J, K	20.0	7	17.00	60
HNL322522-221 □	220&0.796MHz	J, K	20.0	7	21.00	50

Wound Inductors(High Frequency)

HNL 453232 Series



Speciflcations HNL453232

(Standard)

Part Number	Inductance (uH)	Tolerance (%)	Q min	SRF (MHz) min	DCR (Ω) max	Rated DC Current (mA) max
HNL453232-R10 □	0.1&25.2MHz	K, M	35.0	300	0.18	800
HNL453232-R12 □	0.12&25.2MHz	K, M	35.0	280	0.20	770
HNL453232-R15 □	0.15&25.2MHz	K, M	35.0	250	0.22	730
HNL453232-R18 □	0.18&25.2MHz	K, M	35.0	220	0.24	700
HNL453232-R22 □	0.22&25.2MHz	K, M	40.0	200	0.25	665
HNL453232-R27 □	0.27&25.2MHz	K, M	40.0	180	0.26	635
HNL453232-R33 □	0.33&25.2MHz	K, M	40.0	165	0.28	605
HNL453232-R39 □	0.39&25.2MHz	K, M	40.0	150	0.30	575
HNL453232-R47 □	0.47&25.2MHz	K, M	40.0	145	0.32	545
HNL453232-R56 □	0.56&25.2MHz	K, M	40.0	140	0.36	520
HNL453232-R68 □	0.68&25.2MHz	K, M	40.0	135	0.40	500
HNL453232-R82 □	0.82&25.2MHz	K, M	40.0	130	0.45	475
HNL453232-1R0 □	1.0&7.96MHz	K, M	50.0	100	0.50	450
HNL453232-1R2 □	1.2&7.96MHz	K, M	50.0	80	0.55	430
HNL453232-1R5 □	1.5&7.96MHz	K, M	50.0	70	0.60	410
HNL453232-1R8 □	1.8&7.96MHz	K, M	50.0	60	0.65	390
HNL453232-2R2 □	2.2&7.96MHz	K, M	50.0	55	0.70	380
HNL453232-2R7 □	2.7&7.96MHz	K, M	50.0	50	0.75	370
HNL453232-3R3 □	3.3&7.96MHz	K, M	50.0	45	0.80	355
HNL453232-3R9 □	3.9&7.96MHz	K, M	50.0	40	0.90	330
HNL453232-4R7 □	4.7&7.96MHz	K, M	50.0	35	1.00	315
HNL453232-5R6 □	5.6&7.96MHz	K, M	50.0	33	1.10	300
HNL453232-6R8 □	6.8&7.96MHz	K, M	50.0	27	1.20	285
HNL453232-8R2 □	8.2&7.96MHz	J, K	50.0	25	1.40	270
HNL453232-100 □	10&2.52MHz	J, K	50.0	20	1.60	250
HNL453232-120 □	12&2.52MHz	J, K	50.0	18	2.00	225
HNL453232-150 □	15&2.52MHz	J, K	50.0	17	2.50	200
HNL453232-180 □	18&2.52MHz	J, K	50.0	15	2.80	190
HNL453232-220 □	22&2.52MHz	J, K	50.0	13	3.20	180
HNL453232-270 □	27&2.52MHz	J, K	50.0	12	3.60	170
HNL453232-330 □	33&2.52MHz	J, K	50.0	11	4.00	160
HNL453232-390 □	39&2.52MHz	J, K	50.0	10	4.50	150
HNL453232-470 □	47&2.52MHz	J, K	50.0	10	5.00	140
HNL453232-560 □	56&2.52MHz	J, K	50.0	9	5.50	135
HNL453232-680 □	68&2.52MHz	J, K	50.0	9	6.00	130
HNL453232-820 □	82&2.52MHz	J, K	50.0	8	7.00	120
HNL453232-101 □	100&0.796MHz	J, K	40.0	8	8.00	110
HNL453232-121 □	120&0.796MHz	J, K	40.0	6	8.00	110
HNL453232-151 □	150&0.796MHz	J, K	40.0	5	9.00	105
HNL453232-181 □	180&0.796MHz	J, K	40.0	5	9.50	102
HNL453232-221 □	220&0.796MHz	J, K	40.0	4	10.00	100
HNL453232-271 □	270&0.796MHz	J, K	40.0	4	12.00	92
HNL453232-331 □	330&0.796MHz	J, K	40.0	3.5	14.00	85
HNL453232-391 □	390&0.796MHz	J, K	40.0	3	16.00	80
HNL453232-471 □	470&0.796MHz	J, K	40.0	3	26.00	62
HNL453232-561 □	560&0.796MHz	J, K	30.0	3	30.00	50
HNL453232-681 □	680&0.796MHz	J, K	30.0	3	30.00	50
HNL453232-821 □	820&0.796MHz	J, K	30.0	2.5	35.00	30
HNL453232-102 □	1000&0.252MHz	J, K	30.0	2.5	40.00	30

Wound Inductors(High Frequency)

HNL 322522T Series



Specifications HNL322522T

(High Current)

Part Number	Inductance (uH)	Tolerance (%)	Q min	SRF (MHz) min	DCR (Ω) max	Rated DC Current (mA) max
HNL322522T-1R0 □	1.0&7.96MHz	M	10.0	100	0.156	770
HNL322522T-1R5 □	1.5&7.96MHz	M	10.0	80	0.195	580
HNL322522T-2R2 □	2.2&7.96MHz	M	10.0	65	0.260	480
HNL322522T-3R3 □	3.3&7.96MHz	M	10.0	55	0.325	400
HNL322522T-4R7 □	4.7&7.96MHz	M	10.0	45	0.520	320
HNL322522T-6R8 □	6.8&7.96MHz	M	10.0	35	0.650	280
HNL322522T-100 □	10&2.52MHz	M	15.0	28	1.105	220
HNL322522T-150 □	15&2.52MHz	M	15.0	25	1.69	180
HNL322522T-220 □	22&2.52MHz	M	15.0	20	2.60	145
HNL322522T-330 □	33&2.52MHz	M	15.0	15	3.64	115
HNL322522T-390 □	39&2.52MHz	M	15.0	14	4.50	110
HNL322522T-470 □	47&2.52MHz	M	15.0	13	5.46	105
HNL322522T-680 □	68&2.52MHz	M	15.0	10	8.45	85
HNL322522T-820 □	82&2.52MHz	M	15.0	9	8.71	80
HNL322522T-101 □	100&0.796MHz	M	15.0	8	10.14	75

Wound Inductors(High Frequency)

HNL 453232T Series



Specifications HNL453232T

(High Current)

Part Number	Inductance (uH)	Tolerance (%)	Q min	SRF (MHz) min	DCR (Ω) max	Rated DC Current (mA) max
HNL453232T-1R0 □	1.0&7.96MHz	K	10.0	200	0.11	1050
HNL453232T-1R2 □	1.2&7.96MHz	K	10.0	160	0.12	1000
HNL453232T-1R5 □	1.5&7.96MHz	K	10.0	130	0.15	950
HNL453232T-1R8 □	1.8&7.96MHz	K	10.0	100	0.16	900
HNL453232T-2R2 □	2.2&7.96MHz	K	10.0	80	0.18	850
HNL453232T-2R7 □	2.7&7.96MHz	K	10.0	60	0.20	800
HNL453232T-3R3 □	3.3&7.96MHz	K	10.0	45	0.22	750
HNL453232T-3R9 □	3.9&7.96MHz	K	10.0	40	0.24	700
HNL453232T-4R7 □	4.7&7.96MHz	K	10.0	35	0.27	650
HNL453232T-5R6 □	5.6&7.96MHz	K	10.0	30	0.30	650
HNL453232T-6R8 □	6.8&7.96MHz	K	10.0	28	0.35	600
HNL453232T-8R2 □	8.2&7.96MHz	K	10.0	25	0.40	600
HNL453232T-100 □	10&2.52MHz	K	10.0	22	0.50	550
HNL453232T-120 □	12&2.52MHz	K	10.0	21	0.60	500
HNL453232T-150 □	15&2.52MHz	K	10.0	20	0.70	450
HNL453232T-180 □	18&2.52MHz	K	10.0	19	0.80	400
HNL453232T-220 □	22&2.52MHz	K	10.0	18	0.90	370
HNL453232T-270 □	27&2.52MHz	K	10.0	16	1.20	330
HNL453232T-330 □	33&2.52MHz	K	10.0	14	1.40	300
HNL453232T-390 □	39&2.52MHz	K	10.0	12	1.60	280
HNL453232T-470 □	47&2.52MHz	K	10.0	11.5	1.90	260
HNL453232T-560 □	56&2.52MHz	K	10.0	11	2.20	240
HNL453232T-680 □	68&2.52MHz	K	10.0	10	2.60	220
HNL453232T-820 □	82&2.52MHz	K	10.0	9	3.50	200
HNL453232T-101 □	100&0.796MHz	K	20.0	8	4.00	180
HNL453232T-121 □	120&0.796MHz	K	20.0	7.5	4.50	160
HNL453232T-151 □	150&0.796MHz	K	20.0	7.0	6.50	140
HNL453232T-181 □	180&0.796MHz	K	20.0	6.5	7.50	120
HNL453232T-221 □	220&0.796MHz	K	20.0	5.5	9.00	120
HNL453232T-271 □	270&0.796MHz	K	20.0	5	11.00	100
HNL453232T-331 □	330&0.796MHz	K	20.0	4	13.00	90

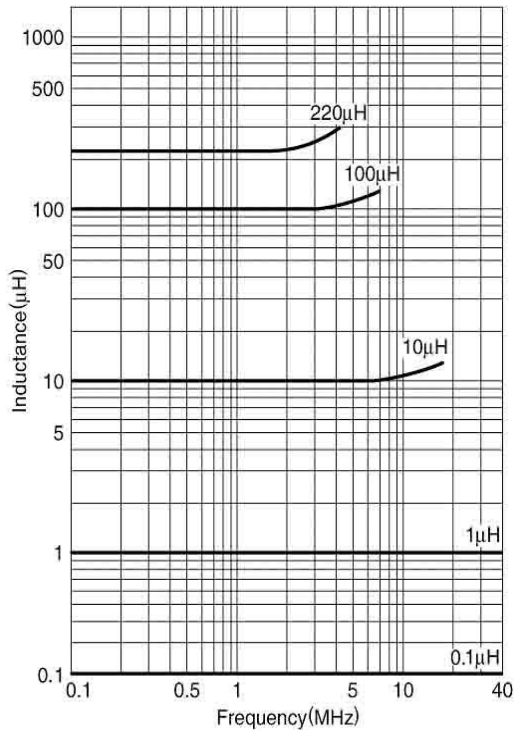
Wound Inductors

HNL 322522/T Series

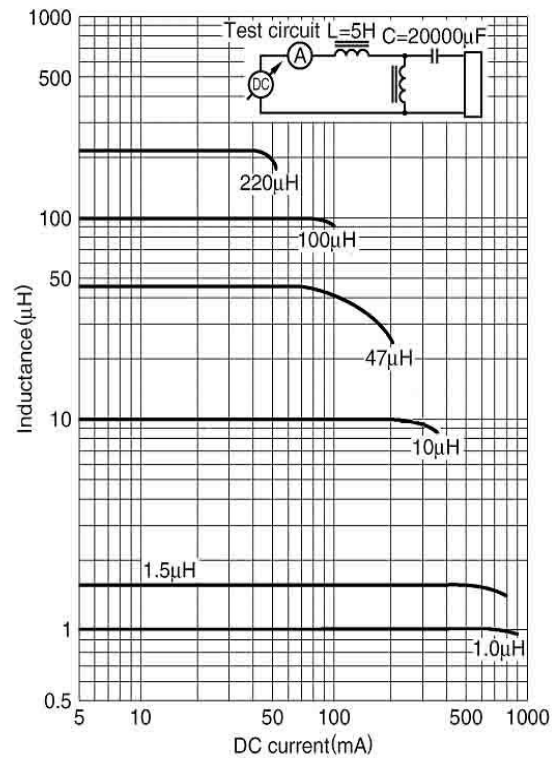


322522 Characteristics

感值频率特性图

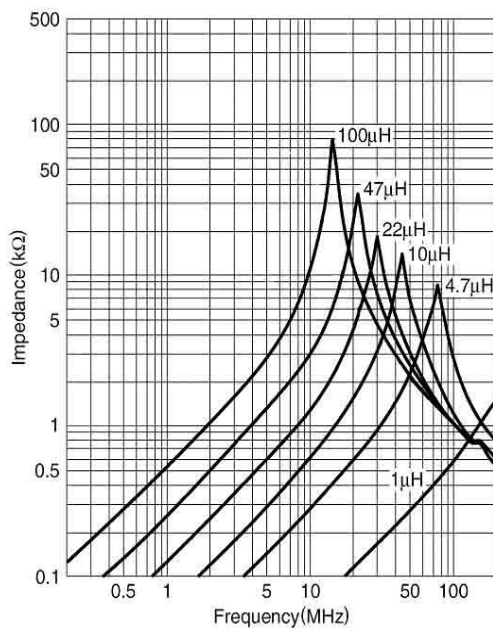


直流叠加特性图

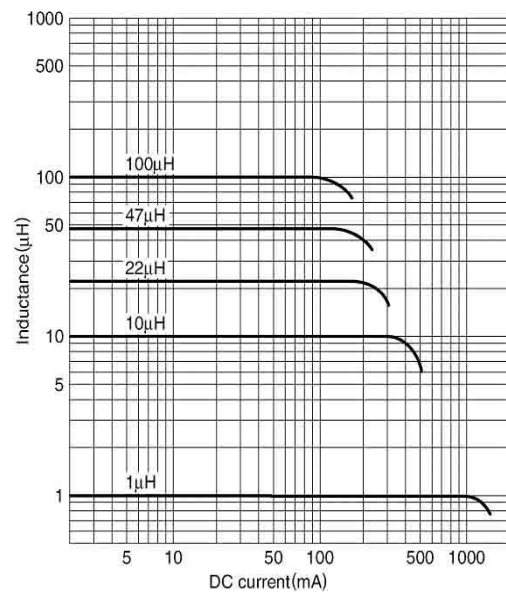


322522T Characteristics

感值频率特性图



直流叠加特性图



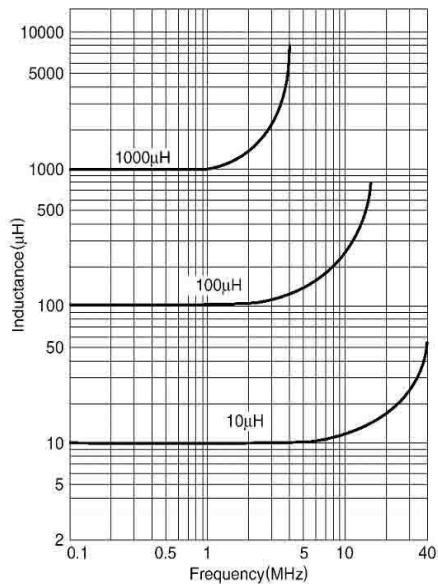
Wound Inductors

HNL 453232 Series

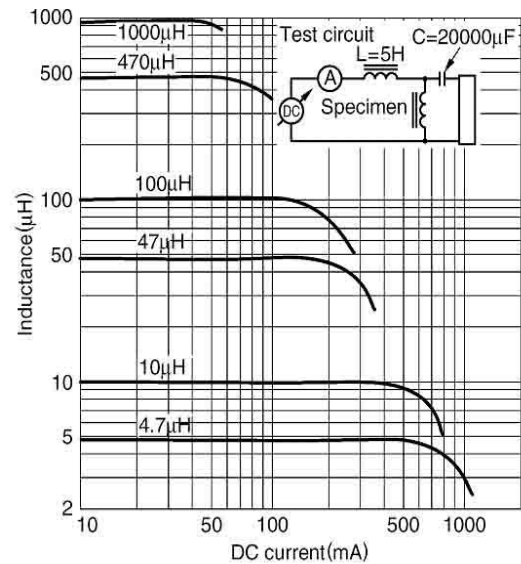


453232 Characteristics

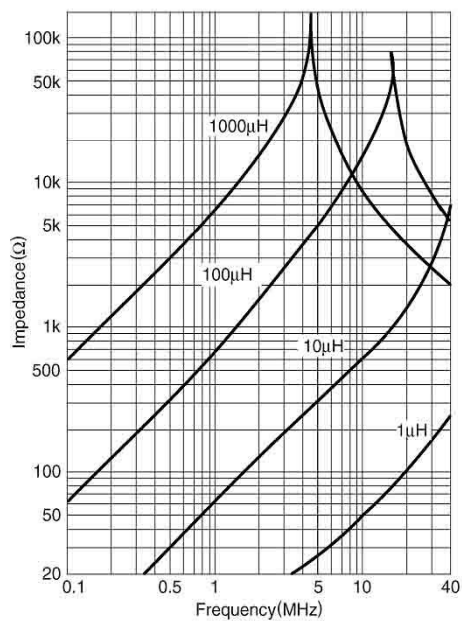
感值频率特性图



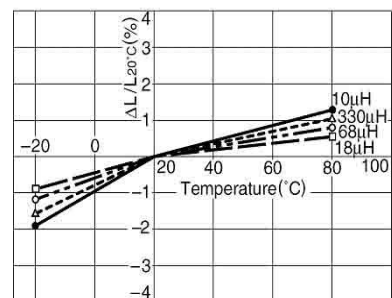
直流叠加特性图



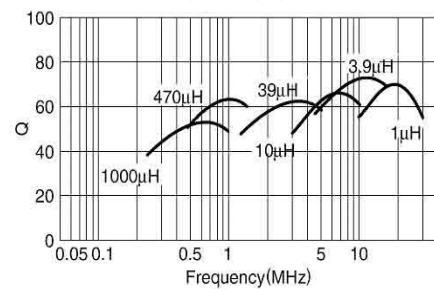
阻抗频率特性图



感值温度特性图



Q值频率特性图



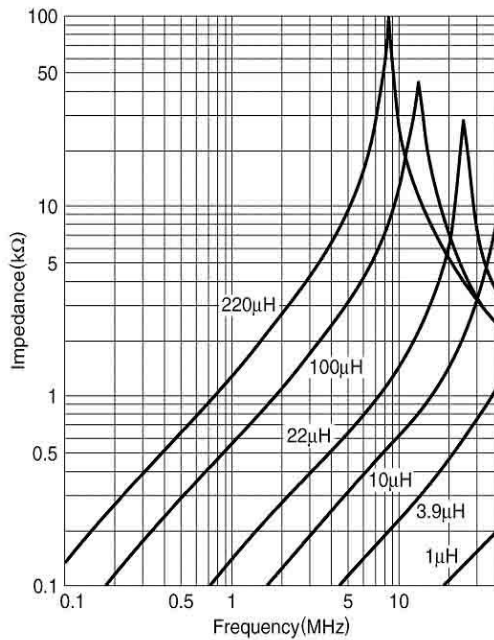
Wound Inductors

HNL 453232T Series



453232T Characteristics

阻抗频率特性图



直流叠加特性图

