

FEATURES

- Ferrite core provides high withstand voltage and wide inductance range.
- Non-Shielded magnetic circuit design.
- Metallization on core results in secure and reliable mounting.
- Operating temperature: -40°C ~ +125°C.



APPLICATIONS

- Ideally used in Power supply for VTR, OA equipment, Digital camera, LCD television set , notebook PC, etc.

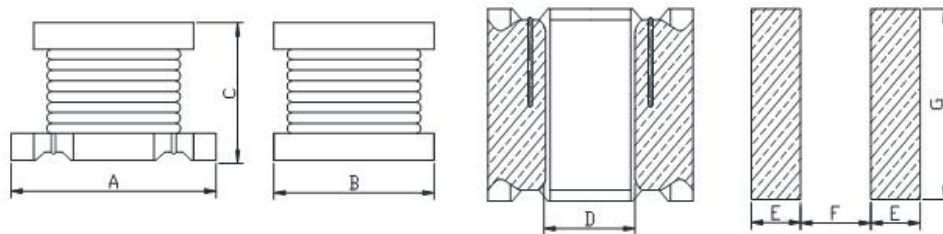
PRODUCT IDENTIFICATION

ALCH 4532 S 100 K T

(1) (2) (3) (4) (5) (6)

- (1) 系列名称 Series name
- (2) 产品尺寸 Product dimensions
- (3) 特性类别 Feature Type (S:Standard 标准型)
- (4) 电感量 Inductance Value (1R0:1.0uH, 100:10uH, 101:100uH)
- (5) 电感公差 Inductance Tolerance(K:10%, M:20%, N:30%)
- (6) 包装 Package(T:Tape&Reel 卷盘编带)

SHAPE AND DIMENSIONS



Series	A	B	C	D	E	F	G
ALCH3216	3.2±0.3	1.6±0.3	1.8±0.3	1.0Ref.	1.8Ref.	0.8Ref.	1.8Ref.
ALCH3225	3.2±0.3	2.5±0.3	2.2±0.3	1.0Ref.	1.8Ref.	0.8Ref.	2.7Ref.
ALCH4532	4.5±0.3	3.2±0.3	2.6±0.3	1.2Ref.	2.4Ref.	1.0Ref.	3.5Ref.
ALCH5750	5.7±0.3	5.0±0.3	4.5±0.3	2.0Ref.	2.8Ref.	1.8Ref.	5.5Ref.

Unit:mm

SPECIFICATIONS

ALCH3216 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (Ω)	Isat(A)
ALCH3216SR12MT	0.12	20	1KHz/0.25V	0.112	0.97
ALCH3216SR22MT	0.22	20	1KHz/0.25V	0.140	0.85
ALCH3216SR47MT	0.47	20	1KHz/0.25V	0.210	0.70
ALCH3216S1R0MT	1.0	20	1KHz/0.25V	0.364	0.51
ALCH3216S2R2MT	2.2	20	1KHz/0.25V	0.533	0.43
ALCH3216S4R7MT	4.7	20	1KHz/0.25V	0.845	0.34
ALCH3216S100MT	10	20	1KHz/0.25V	1.690	0.23
ALCH3216S220MT	22	20	1KHz/0.25V	3.900	0.16
ALCH3216S470MT	47	20	1KHz/0.25V	10.400	0.10
ALCH3216S101MT	100	20	1KHz/0.25V	15.600	0.08

ALCH3525 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (Ω)	Isat(A)
ALCH3225S1R0MT	1	20	1KHz/0.25V	0.117	0.80
ALCH3225S2R2MT	2.2	20	1KHz/0.25V	0.169	0.60
ALCH3225S4R7MT	4.7	20	1KHz/0.25V	0.260	0.45
ALCH3225S100KT	10.0	10	1KHz/0.25V	0.572	0.30
ALCH3225S220KT	22	10	1KHz/0.25V	0.923	0.25
ALCH3225S470KT	47	10	1KHz/0.25V	1.690	0.17
ALCH3225S101KT	100	10	1KHz/0.25V	4.550	0.10
ALCH3225S221KT	220	10	1KHz/0.25V	10.920	0.07
ALCH3225S331KT	330	10	1KHz/0.25V	13.000	0.06
ALCH3225S391KT	390	10	1KHz/0.25V	22.100	0.05
ALCH3225S471KT	470	10	1KHz/0.25V	24.700	0.04
ALCH3225S561KT	560	10	1KHz/0.25V	28.600	0.03

ALCH4532 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (Ω)	Isat(A)
ALCH4532S1R0MT	1.0	20	100KHz/0.25V	0.085	2.70
ALCH4532S1R5MT	1.5	20	100KHz/0.25V	0.090	2.50
ALCH4532S2R2MT	2.2	20	100KHz/0.25V	0.108	2.25
ALCH4532S2R7MT	2.7	20	100KHz/0.25V	0.127	2.00
ALCH4532SR3MT	3.3	20	100KHz/0.25V	0.143	1.80
ALCH4532S3R9MT	3.9	20	100KHz/0.25V	0.150	1.65
ALCH4532S4R7MT	4.7	20	100KHz/0.25V	0.182	1.60
ALCH4532S5R6MT	5.6	20	100KHz/0.25V	0.204	1.45
ALCH4532S6R8MT	6.8	20	100KHz/0.25V	0.215	1.35

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (Ω)	Isat(A)
ALCH4532S8R2MT	8.2	20	100KHz/0.25V	0.273	1.15
ALCH4532S100KT	10	10	1KHz/0.25V	0.286	1.00
ALCH4532S120KT	12	10	1KHz/0.25V	0.325	0.96
ALCH4532S150KT	15	10	1KHz/0.25V	0.390	0.90
ALCH4532S180KT	18	10	1KHz/0.25V	0.442	0.88
ALCH4532S220KT	22	10	1KHz/0.25V	0.546	0.86
ALCH4532S270KT	27	10	1KHz/0.25V	0.728	0.81
ALCH4532S330KT	33	10	1KHz/0.25V	0.819	0.77
ALCH4532S390KT	39	10	1KHz/0.25V	1.080	0.68
ALCH4532S470KT	47	10	1KHz/0.25V	1.250	0.59
ALCH4532S560KT	56	10	1KHz/0.25V	1.300	0.50
ALCH4532S680KT	68	10	1KHz/0.25V	1.560	0.44
ALCH4532S820KT	82	10	1KHz/0.25V	1.950	0.39
ALCH4532S101KT	100	10	1KHz/0.25V	2.210	0.36
ALCH4532S121KT	120	10	1KHz/0.25V	2.470	0.33
ALCH4532S151KT	150	10	1KHz/0.25V	2.950	0.29
ALCH4532S181KT	180	10	1KHz/0.25V	3.080	0.27
ALCH4532S221KT	220	10	1KHz/0.25V	4.250	0.24
ALCH4532S271KT	270	10	1KHz/0.25V	4.980	0.21
ALCH4532S331KT	330	10	1KHz/0.25V	7.600	0.18
ALCH4532S391KT	390	10	1KHz/0.25V	8.230	0.17
ALCH4532S471KT	470	10	1KHz/0.25V	8.840	0.16
ALCH4532S561KT	560	10	1KHz/0.25V	10.000	0.15
ALCH4532S821KT	820	10	1KHz/0.25V	13.000	0.12
ALCH4532S102KT	1000	10	1KHz/0.25V	21.300	0.11
ALCH4532S152KT	1500	10	1KHz/0.25V	31.200	0.11
ALCH4532S222KT	2200	10	1KHz/0.25V	58.500	0.07

ALCH5750 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (Ω)	Isat(A)
ALCH5750S1R0MT	1.0	20	1KHz/0.25V	0.020	9.00
ALCH5750S2R2MT	2.2	20	1KHz/0.25V	0.035	6.54
ALCH5750S3R3MT	3.3	20	1KHz/0.25V	0.054	5.48
ALCH5750S4R7MT	4.7	20	1KHz/0.25V	0.081	4.48
ALCH5750S6R8MT	6.8	20	1KHz/0.25V	0.124	3.57
ALCH5750S100KT	10	10	1KHz/0.25V	0.167	3.06
ALCH5750S150KT	15	10	1KHz/0.25V	0.215	2.63
ALCH5750S220KT	22	10	1KHz/0.25V	0.322	2.21
ALCH5750S330KT	33	10	1KHz/0.25V	0.448	1.75
ALCH5750S470KT	47	10	1KHz/0.25V	0.586	1.50

Part Number	Inductance (μH)	Tolerance (%)	Test Condition	DCR Max. (Ω)	Isat(A)
ALCH5750S680KT	68	10	1KHz/0.25V	0.806	1.30
ALCH5750S101KT	100	10	1KHz/0.25V	1.100	1.05
ALCH5750S151KT	150	10	1KHz/0.25V	1.575	0.94
ALCH5750S221KT	220	10	1KHz/0.25V	2.550	0.72
ALCH5750S331KT	330	10	1KHz/0.25V	3.600	0.60
ALCH5750S391KT	390	10	1KHz/0.25V	4.000	0.55

Note:

Isat: DC current at which the inductance drops approximate 10% from its value without current.