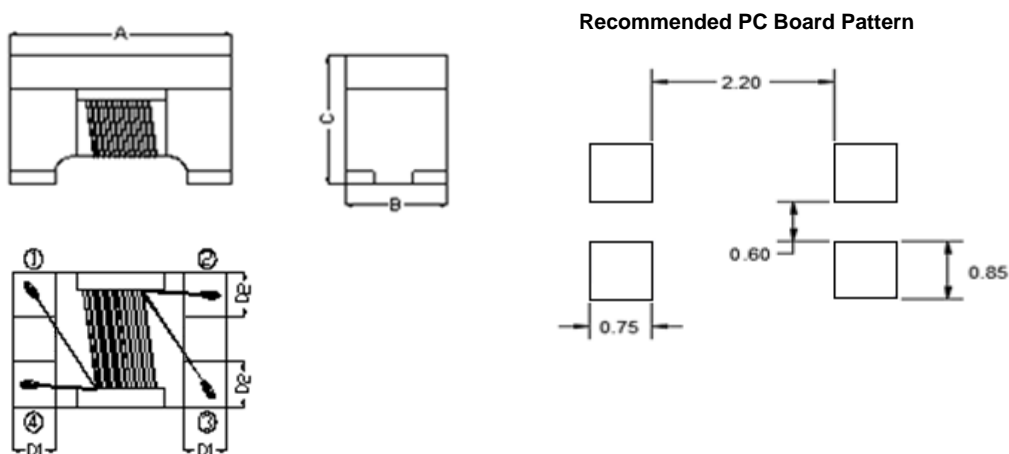


1. Features

1. High common mode impedance at high frequency effects excellent noise suppression performance.
2. ACM3225F2DV series realizes small size and low profile 3.2x2.5x2.5 mm
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Operating temperature -55~+150°C (Including self - temperature rise)
5. High reliability -Reliability tests comply with AEC-Q200



2. Dimension



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)
3225F2DV	3.2±0.2	2.5±0.2	2.5 max	0.55±0.15	0.75±0.20

Units: mm

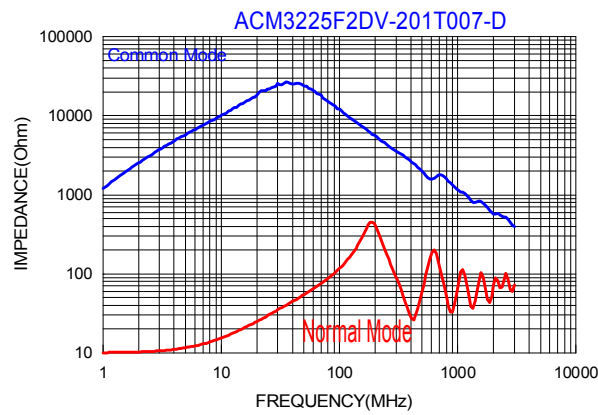
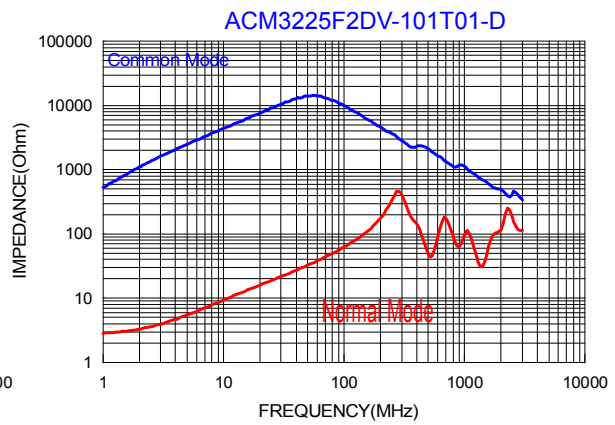
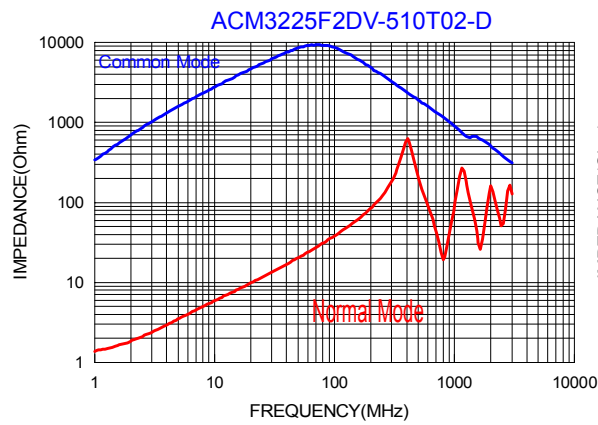
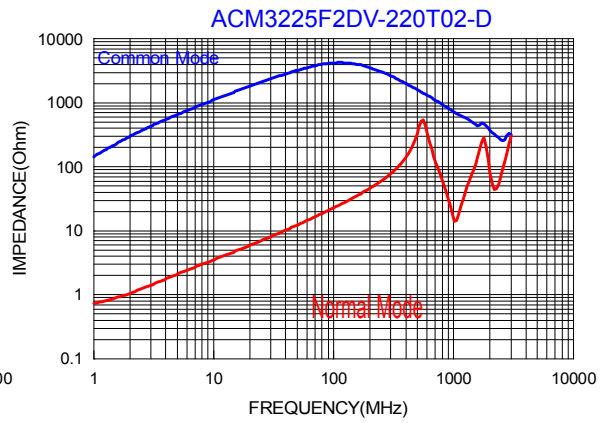
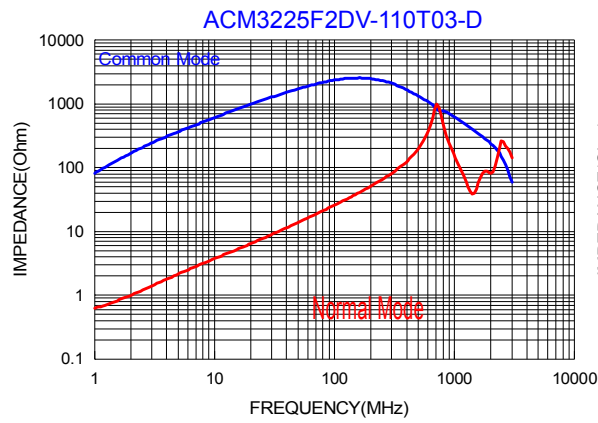
3. Part Numbering



A: Series	
B: Dimension	
C: Material	Ferrite Core
D: Number of Lines	2=2 lines
E: Type	W4D
F: Category Code	V=Vehicle
G: Inductance	110=11(μH)
H: Packaging	T=Taping and Reel
I: Rated Current	03=300mA
J: Control S/N	

4. Specification

TAI-TECH Part Number	Common mode Impedance (Ω) [10MHz]		Inductance(μH) +50/-30% [100kHz/0.1V]	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated voltage (Vdc) max.	IR (MΩ) min.
ACM3225F2DV-110T03-D	300 min.	550 typ.	11	0.4	300	80	10
ACM3225F2DV-220T02-D	500 min.	1100 typ.	22	0.5	250	80	10
ACM3225F2DV-510T02-D	1000 min.	2600 typ.	51	0.7	200	80	10
ACM3225F2DV-101T01-D	2200 min.	5100 typ.	100	1.5	150	80	10
ACM3225F2DV-201T007-D	7000 min	10000 typ.	200 +30/-10%	5.5	70	80	10

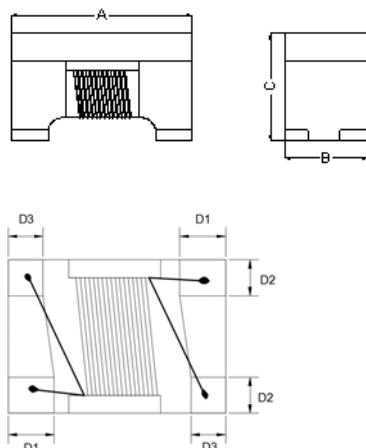


1. Features

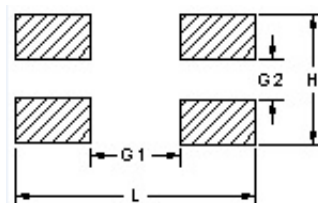
1. High common mode impedance at high frequency effects excellent noise suppression performance.
2. ACM4532F2NV series realizes small size and low profile. 4.5x3.2x2.8 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. High reliability -Reliability test complied to AEC-Q200
5. Operating temperature -55~+150°C (Including self - temperature rise)



2. Dimension



Recommended PC Board Pattern



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	D3(mm)	L(mm)	H(mm)	G1(mm)	G2(mm)
4532F2NV	4.5±0.2	3.2±0.2	2.8±0.2	0.75±0.2	0.85±0.2	0.60±0.2	5.0	3.6	3.4	1.7

3. Part Numbering

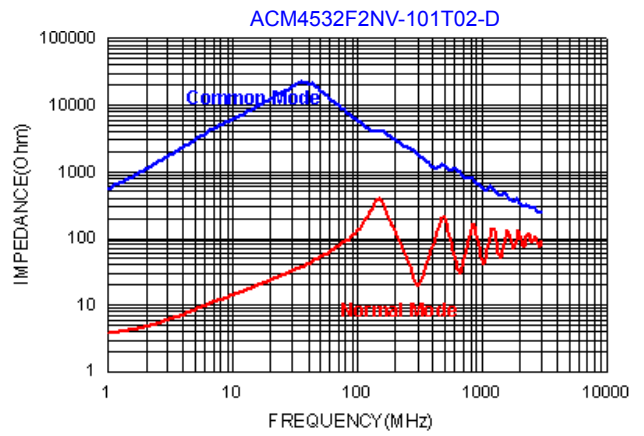
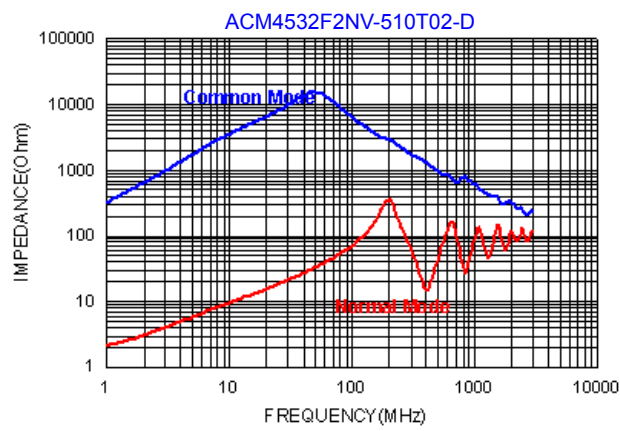
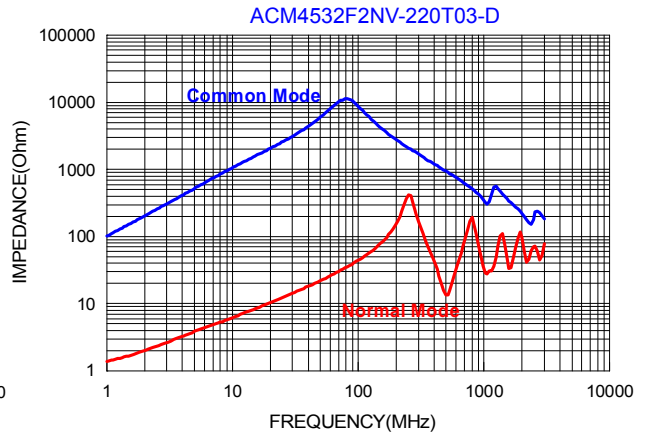
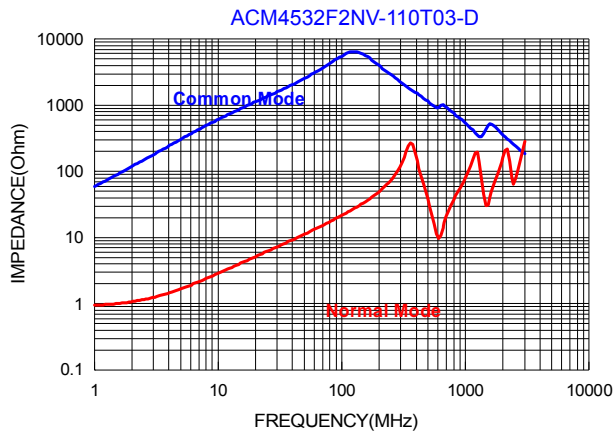
ACM
4532
F
2
N
V
-
101
T
02
-
D

A B C D E F G H I J

- A: Series
 B: Dimension
 C: Material Ferrite Core
 D: Number of Lines 2=2 lines
 E: Type N45
 F: Category Code V=Vehicle
 G: Inductance 101=100uH
 H: Packaging T=Taping and Reel
 I: Rated Current 02=200mA
 J: Control S/N

4. Specification

TAI-TECH Part Number	Common mode Impedance (Ω) [10MHz]		Inductance (μH)+50/-30% [100kHz/0.1V]	DC Resistance (Ω) max.	Rated Current (mA)	Rated Volt. (Vdc)	IR (MΩ) min.
ACM4532F2NV-110T03-D	300 min.	600 typ.	11	0.6	360	50	10
ACM4532F2NV-220T03-D	500 min.	1200 typ.	22	1.0	310	50	10
ACM4532F2NV-510T02-D	1000 min.	2800 typ.	51	1.0	230	50	10
ACM4532F2NV-101T02-D	2000 min.	5800 typ.	100	2.0	200	50	10

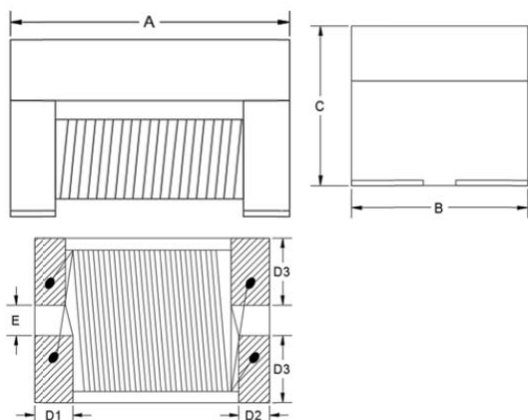


1. Features

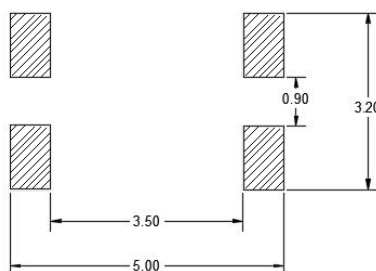
1. 1000BASE-T1 common mode choke.
2. ACM4532F2N series realizes small size and low profile. 4.5x3.2x2.8 mm.
3. 100% Lead (Pb) & Halogen-Free and RoHS compliant.
4. High reliability -Reliability tests comply with AEC-Q200
5. Operating temperature-40~+125°C (Including self - temperature rise)



2. Dimension



Recommended PC Board Pattern



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	D3(mm)	E(mm)
ACM4532F2N	4.60±0.20	3.20±0.20	2.90±0.15	0.75±0.20	0.60±0.20	1.30±0.20	0.6±0.20

3. Part Numbering



- A: Series
- B: Dimension
- C: Material Ferrite Core
- D: Number of Lines 2=2 lines
- E: Type S=Shielded , N=Unshielded
- F: Category Code V=Vehicle
- G: Inductance 101=100uH
- H: Twist

4. Specification

TAI-TECH Part Number	Inductance (μH)Typ. [100kHz/0.1V]	DC Resistance (Ω) max.	Insertion loss Max				Return Loss (Min) (Z OUT=100Ω±1%)			
			10-100MHz	100-400MHz	30-80MHz	200MHz	400MHz			
	100	4.2	-1.0 dB	-1.7 dB	-22 dB	-17 dB	-15 dB			
ACM4532F2NV-101-T	Common To Common-Mode Rejection (Min)				Common To Differential-Mode Rejection (Min)				Current Rating (mA)Max	Turns Ratio and Polarity
	30-80MHz	200MHz	400MHz	1000MHz	10-30MHz	100MHz	200MHz	1000MHz		
	-45 dB	-35 dB	-32 dB	-25 dB	-60 dB	-47 dB	-40 dB	-38 dB	100	1.00±2%,PER SCHEMATIC

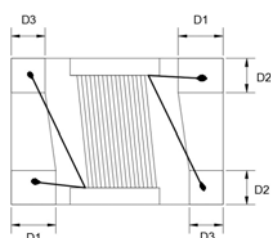
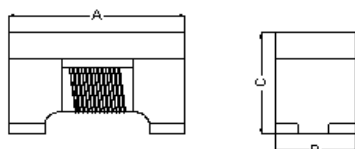
TAI-TECH Part Number	Inductance (μ H)Typ. [100kHz/0.1V]	DC Resistance (Ω) max.	Insertion loss Max		Return Loss (Min) (Z OUT=100 Ω ±1%)				
			100 KHz	1-60 MHz	1-10MHz	30MHz	60MHz		
	160	5.0	-0.5 dB	-1.0 dB	-26 dB	-21.1 dB	-18 dB		
ACM4532F2NV-161-T	Common To Common- Mode Rejection (Min)				Common To Differential- Mode Rejection (Min)			Current Rating (mA)Max	Turns Ratio and Polarity
	1 MHz	10-100MHz	400MHz	1000MHz	1-10MHz	100MHz	1000MHz		
	-23 dB	-42 dB	-25 dB	-15 dB	-70 dB	-50 dB	-24 dB	100	1.00±2%,PER SCHEMATIC

1. Features

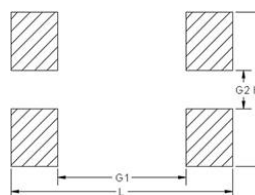
1. High common mode impedance at high frequency effects excellent noise suppression performance.
2. ACM4532F2W series realizes small size and low profile. 4.5x3.2x2.8 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. High reliability -Reliability tests comply with AEC-Q200
5. Operating temperature-40~+125°C (Including self - temperature rise)



2. Dimension

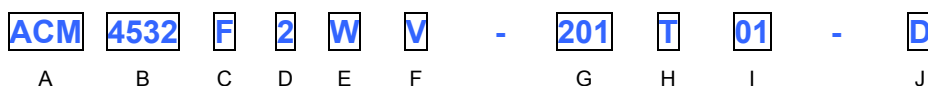


Recommended PC Board Pattern



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	D3(mm)	L(mm)	H(mm)	G1(mm)	G2(mm)
4532F2W	4.5±0.2	3.2±0.2	2.8±0.15	0.80±0.2	0.85±0.2	0.6±0.2	5.0	3.6	3.4	1.7

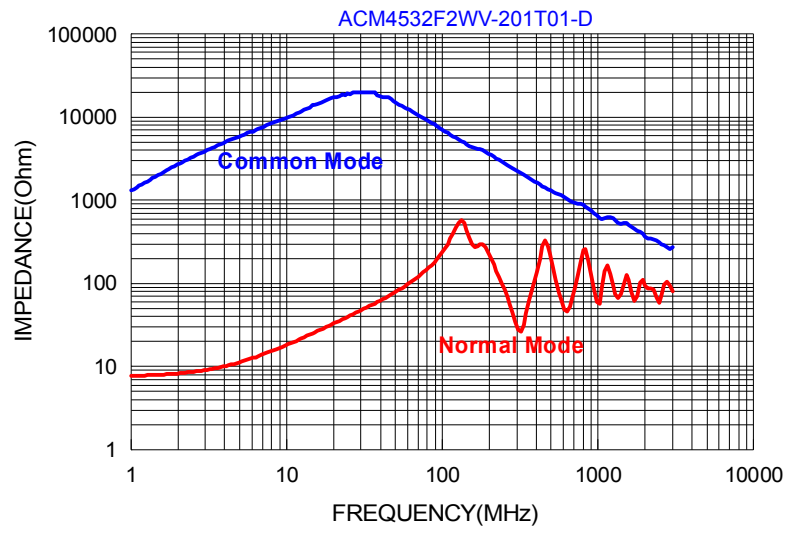
3. Part Numbering



- A: Series
 B: Dimension
 C: Material Ferrite Core
 D: Number of Lines 2=2 lines
 E: Type W5F
 F: Category Code V=Vehicle
 G: Inductance 201=200uH
 H: Packaging T=Taping and Reel
 I: Rated Current 01=100mA
 J: Control S/N

4. Specification

TAI-TECH Part Number	Inductance (μ H)+60/-20(μ H) [100kHz/0.1V]	DC Resistance (Ω) max.	Rated Current (mA)	Rated Volt. (Vdc)	IR (Ω) min.
ACM4532F2WV-201T01-D	200	4.5	100	50	10M

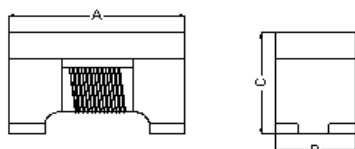


1. Features

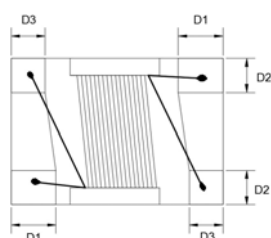
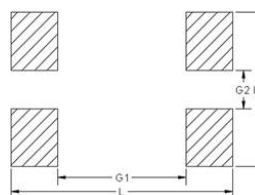
- 100BASE PoDL common mode choke.
- ACM6545F2N series realizes small size and low profile. 6.5x4.5x2.8 mm.
- 100% Lead (Pb) & Halogen-Free and RoHS compliant.
- High reliability -Reliability tests comply with AEC-Q200
- Operating temperature-40~+125°C (Including self - temperature rise)



2. Dimension



Recommended PC Board Pattern



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	D3(mm)	L(mm)	H(mm)	G1(mm)	G2(mm)
ACM6545F2N	6.50±0.30	4.50±0.20	2.70±0.20	0.88±0.20	0.90±0.20	0.76±0.15	7.20	4.60	5.08	2.60

3. Part Numbering



- A: Series
- B: Dimension
- C: Material Ferrite Core
- D: Number of Lines 2=2 lines
- E: Type S=Shielded , N=Unshielded
- F: Category Code V=Vehicle
- G: Inductance 101=100uH
- H: Twist

4. Specification

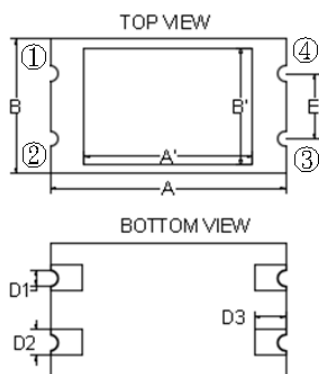
TAI-TECH Part Number	Inductance (uH)	Insertion loss (dB Max)		Return Loss (dB Min)			Common Mode Rejection (dB Min)				Differential to Common Mode Rejection (dB Min)			Current Rating (mA)Max
		100 MHz	1-60 MHz	1-10 MHz	30 MHz	60 MHz	1 MHz	10 MHz	60-100 MHz	200-1000 MHz	1-10 MHz	100 MHz	1000 MHz	
ACM65452F2NV-101-T	100 typ.	-3.0dB	-1.0dB	-28 dB	-23 dB	-18 dB	-18 dB	-35 dB	-43 dB	-30 dB	-70 dB	-50 dB	-25 dB	350

1. Features

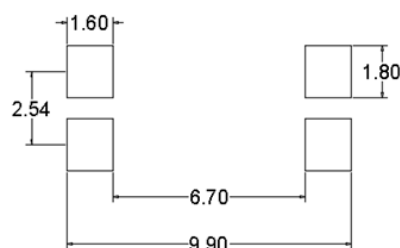
1. Common mode filters for telecom applications
2. 100% Lead (Pb) & Halogen-Free and RoHS compliant.
3. High impedance to minimize common mode noise
4. Excellent EMI performance.
5. Operating temperature-25~+105°C (Including self - temperature rise)
6. High reliability -Reliability tests comply with AEC-Q200.



2. Dimension



Recommended PC Board Pattern



Series	A(mm)	A'(mm)	B(mm)	B'(mm)	C(mm)	C'(mm)	D1(mm)	D2(mm)	D3(mm)	E(mm)
ACM9152-L44	9.10±0.20	4.50±0.20	5.17±0.20	3.20±0.20	3.60±0.20	2.80±0.20	0.60±0.10	1.00±0.10	1.20±0.10	2.50±0.20

Series	A(mm)	A'(mm)	B(mm)	B'(mm)	C(mm)	C'(mm)	D1(mm)	D2(mm)	D3(mm)	E(mm)
ACM9152-L46	9.10±0.20	6.50±0.30	5.17±0.20	4.50±0.20	3.60±0.20	2.70±0.20	0.60±0.10	1.00±0.10	1.20±0.10	2.50±0.20

3. Part Numbering

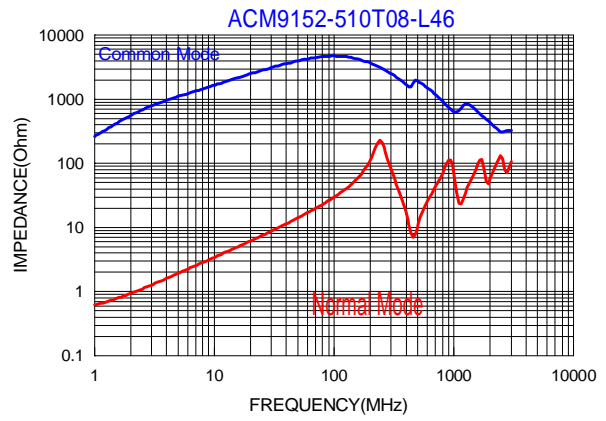
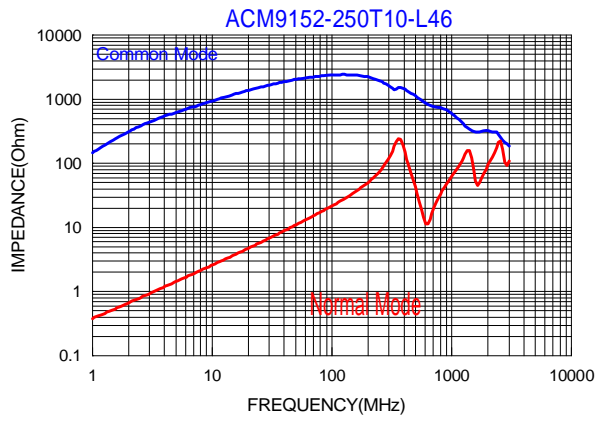
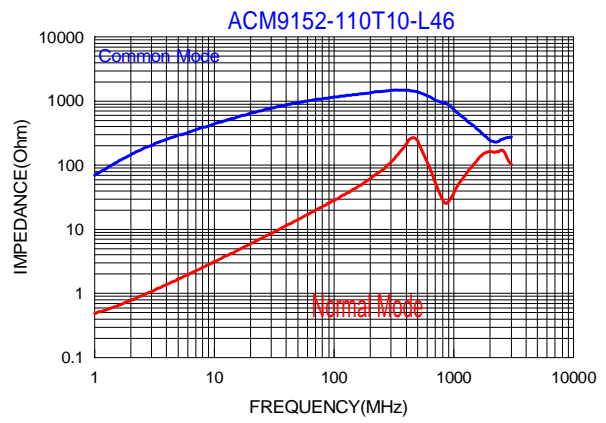
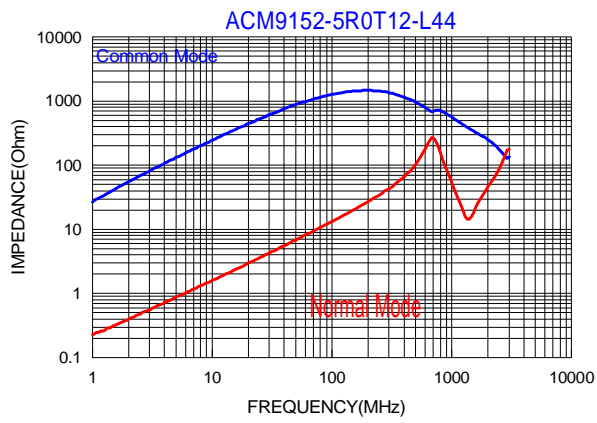
ACM
9152
-
5R0
T
12
-
L44

A B C D E F

- A: Series
 B: Dimension
 C: Inductance 5R0=5.0uH
 D: Packaging T=Taping and Reel
 E: Rated Current 12=1.2(A)
 F: Control S/N

4. Specification

TAI-TECH Part Number	Inductance (μ H)±30% [100kHz/0.1V] (1-4)(2-3)	DC Resistance (Ω) (1-4)(2-3)	Rated Current (A) max.	L _{Stray, typ.} (nH)	V _{test} V DC,2s
ACM9152-5R0T12-L44	5.0	0.06 typ.	1.2	40	250
ACM9152-110T10-L46	11.0	0.08 typ.	1.0	50	250
ACM9152-250T10-L46	25.0	0.11 typ.	1.0	60	250
ACM9152-510T08-L46	51.0	0.30 typ.	0.8	70	250

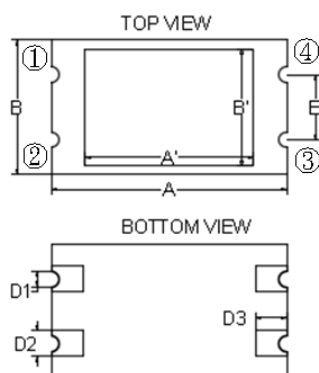


1. Features

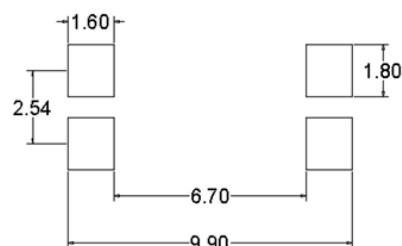
1. Best filter for countering the common-mode noise resulting from data signal processing by PCs, phone equipment, etc.
2. SMD-type designed for surface mounting.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. High reliability -Reliability tests comply with AEC-Q200
5. Operating temperature-25~+105°C (Including self - temperature rise)



2. Dimension



Recommended PC Board Pattern



Series	A(mm)	A'(mm)	B(mm)	B'(mm)	C(mm)	C'(mm)	D1(mm)	D2(mm)	D3(mm)	E(mm)
ACM9152-Z44	9.10±0.20	4.50±0.20	5.17±0.20	3.20±0.20	3.70±0.20	2.80±0.20	0.60±0.10	1.00±0.10	1.20±0.10	2.50±0.20

Series	A(mm)	A'(mm)	B(mm)	B'(mm)	C(mm)	C'(mm)	D1(mm)	D2(mm)	D3(mm)	E(mm)
ACM9152-Z46	9.10±0.20	6.50±0.30	5.17±0.20	4.50±0.20	3.60±0.20	2.70±0.20	0.60±0.10	1.00±0.10	1.20±0.10	2.50±0.20

3. Part Numbering

ACM
9152
-
501
T
05
-
Z44

A B C D E F

- A: Series
 B: Dimension
 C: Impedance 501=500(Ω)
 D: Packaging T=Taping and Reel
 E: Rated Current 05=0.5(A)
 F: Control S/N

4. Specification

TAI-TECH Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (A) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
ACM9152-101T20-Z46	100 min	20 to 100	0.10	2.0	50	250	100M
ACM9152-201T20-Z44	200 min	20 to 300	0.12	2.0	50	125	100M
ACM9152-301T20-Z44	300 min	6 to 20	0.12	2.0	50	125	100M
ACM9152-501T05-Z44	500 min,1000typ.	10	0.15	0.5	80	200	100M
ACM9152-102T05-Z44	1000 min,2000typ.	10	0.25	0.5	80	200	100M
ACM9152-601T05-Z46	600 min,1000typ	10	0.25	0.5	80	200	100M
ACM9152-102T05-Z46	1000 min,2000typ	10	0.30	0.5	80	200	100M

