

# Wire Wound Type Common Mode Filter

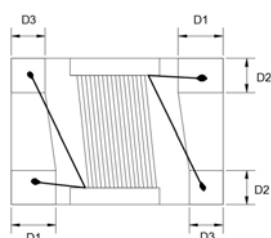
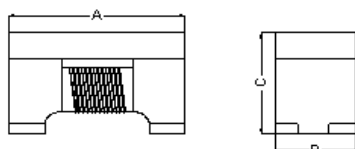
ACM6545F2NV-101-T

## 1. Features

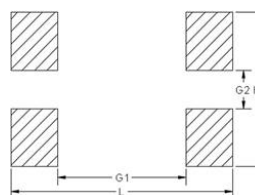
- 100BASE PoDL common mode choke.
- ACM6545F2N series realizes small size and low profile. 6.5x4.5x2.8 mm.
- 100% Lead (Pb) & Halogen-Free and RoHS compliant.
- High reliability -Reliability tests comply with AEC-Q200
- Operating temperature-40~+125°C (Including self - temperature rise)



## 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

ACM	6545	F	2	N	V	-	101	-	T
A	B	C	D	E	F		G		H

- 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

## 5. Schematic Diagram

