

# Wire Wound Type Common Mode Filter

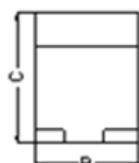
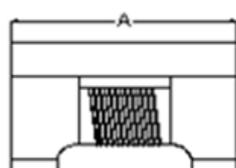
ACM3225F2RV-800T01-T-DC

## 1. Features

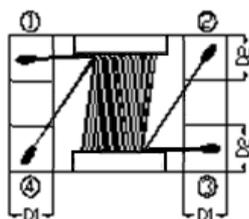
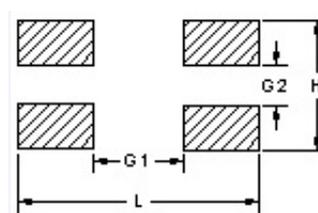
1. High common mode impedance at high frequency effects excellent noise suppression performance.
2. ACM3225F2R series realizes small size and low profile 3.2x2.5x2.5 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Compliant with OPEN Alliance 1000Base-T1 of Ethernet standard.
5. High reliability -Reliability tests comply with AEC-Q200.
6. Operating temperature -40~+125°C (Including self - temperature rise).



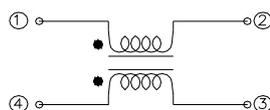
## 2. Dimension



### Recommended PC Board Pattern



Bottom View

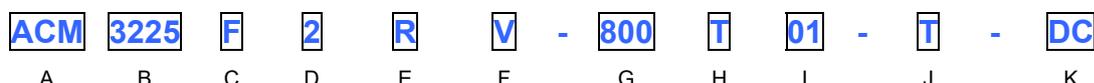


Schematic Diagram

Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	L(mm)	H(mm)	G1(mm)	G2(mm)
3225F2R	3.30±0.20	2.50±0.20	2.50 max	0.55±0.15	1.00±0.20	3.70	2.80	2.40	0.60

Units: mm

## 3. Part Numbering



- A: Series  
 B: Dimension  
 C: Material            Ferrite Core  
 D: Number of Lines    2=2 lines  
 E: Type                 JRC8G  
 F: Category Code      V=Vehicle  
 G: Inductance         800=80(μH)  
 H: Packaging            T=Taping and Reel  
 I: Rated Current       01=100mA  
 J: Twist  
 K: Control S/N

### 4. Specification

TAI-TECH Part Number	Inductance ( $\mu$ H) [100kHz / 0.1V]		DCR ( $\Omega$ ) $\pm$ 20%	Insertion loss (Sdd21) Max				Return Loss (Sdd11) (Min) (Z OUT=100 $\Omega$ $\pm$ 1%)		
				10MHz	20MHz	100MHz	400MHz	10MHz	80MHz	600MHz
	80+50%/-30%	100.(typ.)	2.60	-0.5 dB	-0.5 dB	-0.8 dB	-1.5 dB	-25 dB	-25 dB	-14.5 dB
ACM3225F2RV-800T01-T-DC	Common To Common- Mode Rejection(Scc21) (Min)				Common To Differential- Mode Rejection(Sds21) (Min)			Current Rating (mA)Max	Rated voltage (Vdc) max.	Insulation Resistance (M $\Omega$ ) min.
	10MHz	30MHz	200MHz	600MHz	10MHz	80MHz	600MHz			
	-32.5 dB	-42 dB	-42 dB	-32.5 dB	-65 dB	-65 dB	-47.5 dB	100	80	10

Note:

- All test data referenced to 25°C ambient.

