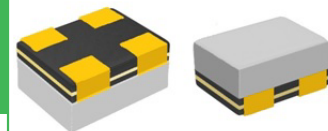


Thin Film Common Mode Filter



0.88 x 0.68 x 0.5mm

ACMF-03

RoHS/RoHS II Compliant

FEATURES:

- Compact thin film low profile design
- Effective for suppressing common mode noise at high frequency
- Wide bandwidth (cutoff frequency: 4GHz) for high speed differential signals.
- Supports lead-free soldering.

APPLICATIONS:

- Common mode noise suppression of differential signal lines in high speed and high-density digital equipments such as USB 2.0, IEEE1394, LVDS, Digital Camera, Scanner, etc.
- Digital audio and video equipments such as PDA, DSC, DVC, CD Player, DVD Player, etc.

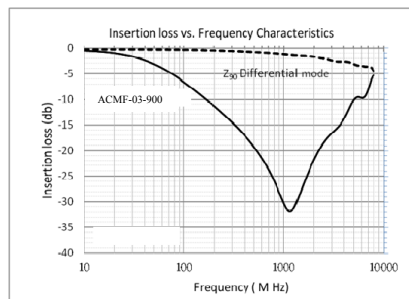
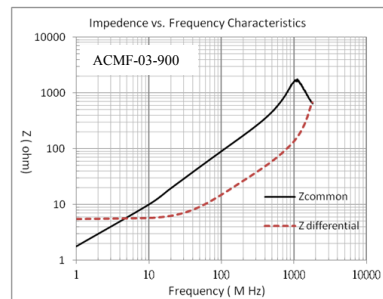
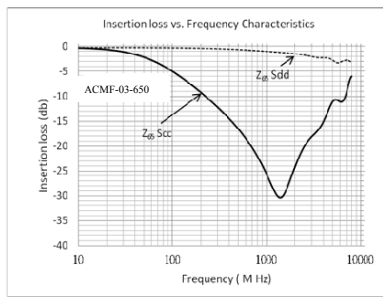
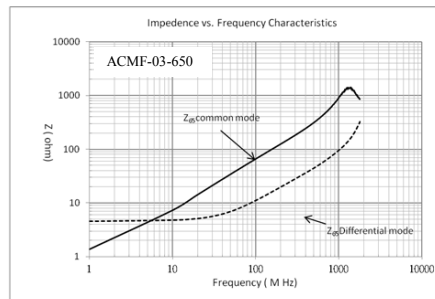
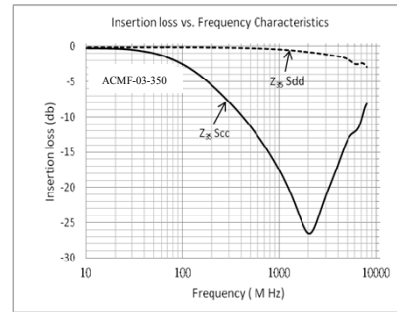
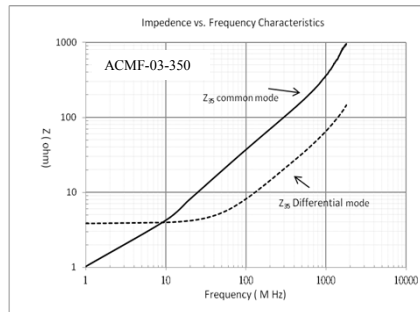
ELECTRICAL SPECIFICATIONS:

Operating Temperature: -55°C to +150°C

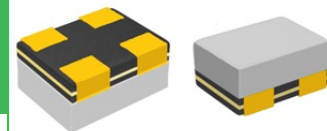
Storage Temperature: +22°C to +28°C, 80% RH max (In tape and reel)

Part No	Impedance (Ω)	Impedance Tolerance (%)	Test Frequency (MHz)	DCR (Ω) [1 line].	IDC (mA) max.	Rated Voltage (V) max.	Cutoff Frequency (GHz) typ.	Insulation Resistance (MΩ) min.
ACMF-03-350-T	35	±20%	100	1.8±30%	100	10	8	10
ACMF-03-650-T	65	±20%	100	2.5±30%	100	10	5	10
ACMF-03-900-T	90	±20%	100	2.8±30%	100	10	4	10

FREQUENCY CHARACTERISTICS



Thin Film Common Mode Filter

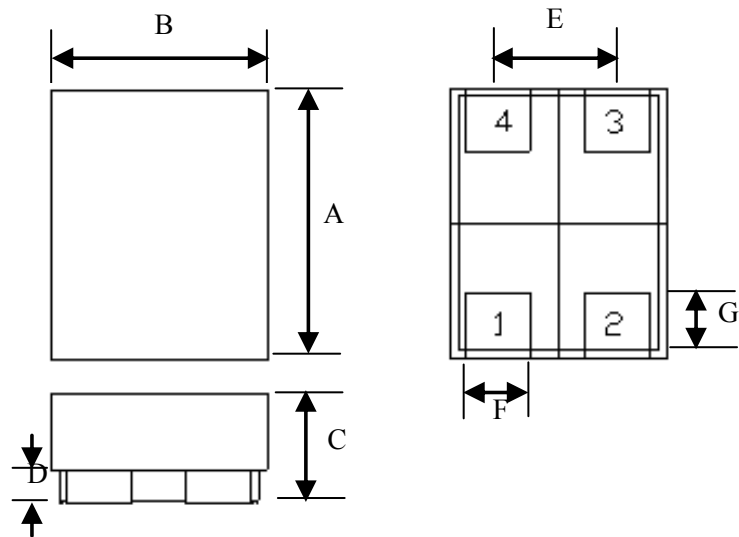


0.88 x 0.68 x 0.5mm

RoHS/RoHS II Compliant

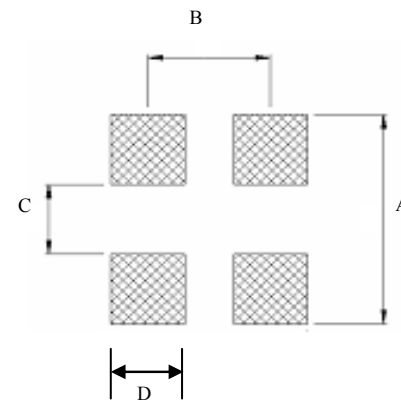
ACMF-03

OUTLINE DIMENSION:



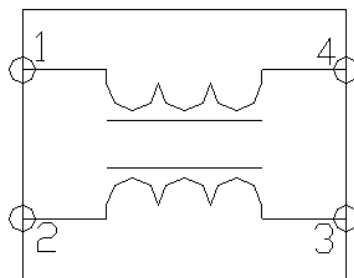
A	B	C	D	E	F	G
0.88±0.05	0.68±0.05	0.5±0.05	0.15	-	0.20±0.05	0.27±0.1

Recommended Land Pattern



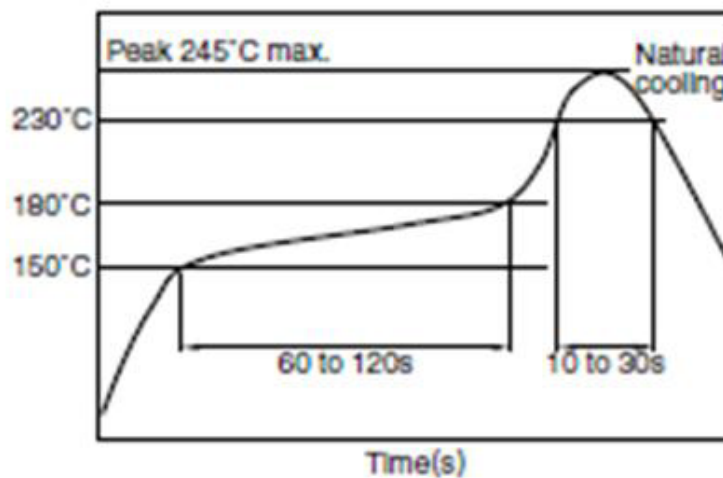
A	B	C	D
0.9	0.5	0.3	0.3

Schematic

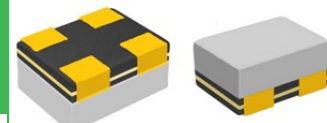


Dimension: mm

REFLOW PROFILE:



Thin Film Common Mode Filter



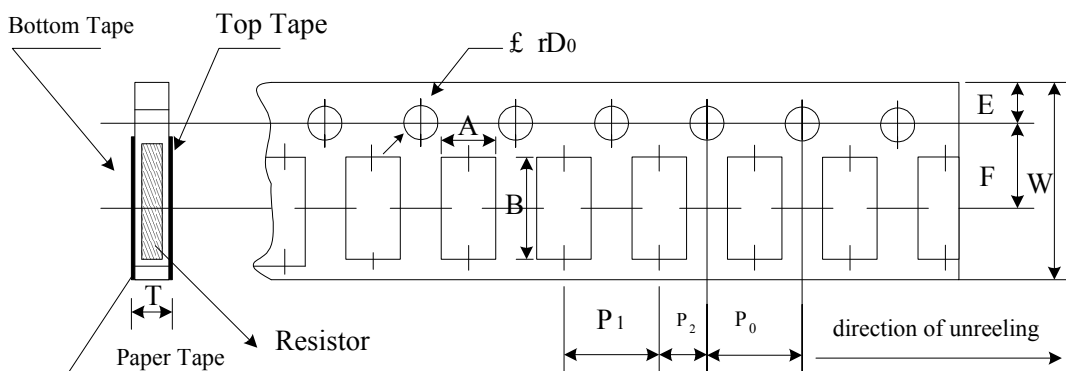
0.88 x 0.68 x 0.5mm

ACMF-03

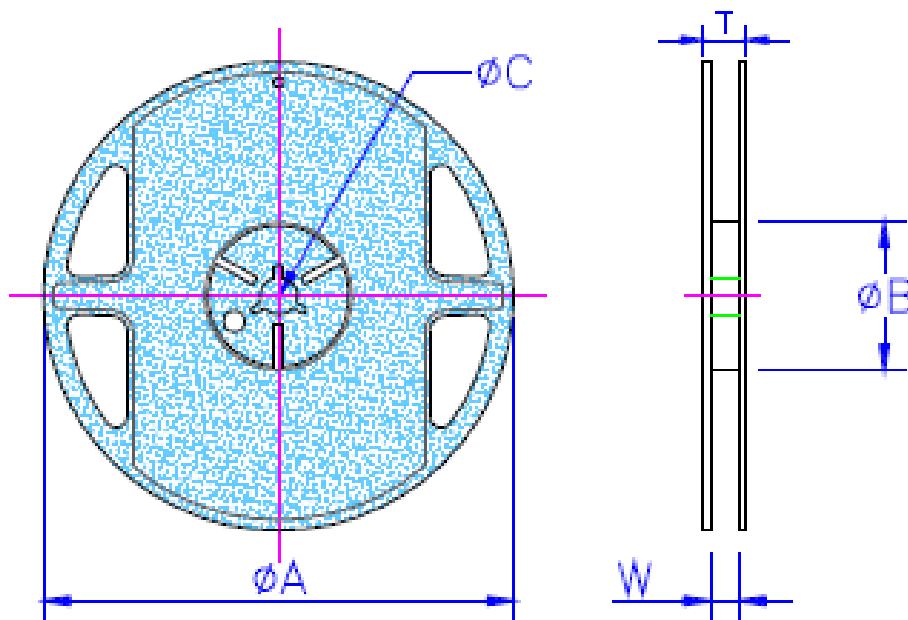
RoHS/RoHS II Compliant

TAPE & REEL:

T= tape and reel (10,000pcs/reel)



A	B	W	E	F	P0	P1	P2	ϕD_0	T
0.78±0.03	1.04±0.03	8.00±0.10	1.75±0.05	3.5±0.05	4.00±0.10	4.00±0.10	2.00±0.05	1.55±0.05	0.60±0.03



ϕA	ϕB	ϕC	W	T
178.0±1.0	60.0±1.0	13.5±0.7	9.5±1.0	11.5±1.0

Dimension: mm

ATTENTION: Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.

ABRACON IS
ISO 9001:2008
CERTIFIED



Visit www.abracon.com for Terms & Conditions of Sale **Revised: 08.15.13**
30332 Esperanza, Rancho Santa Margarita, California 9268
tel 949-546-8000 | fax 949-546-8001 | www.abracon.com