

DATA LINE FILTER

# COMMON MODE CHOKE CM 5142 SERIES

## FEATURES:

- 10Pin through hole
- Extended frequency range
- For noise reduction
- Common Mode up to 1GHz

## OPTIONS:

- Tape & Reel is Standard
- Custom design available

## COMMON APPLICATIONS:

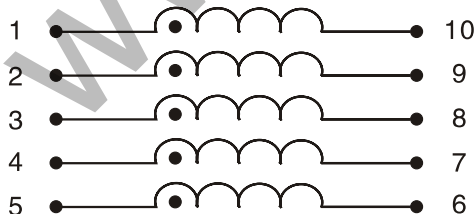
- Isolation and coupling
- Digital Communication EMI Suppression
- Data Line Filtering

## STANDARD SPECIFICATIONS Electrical Specification(@25°C):

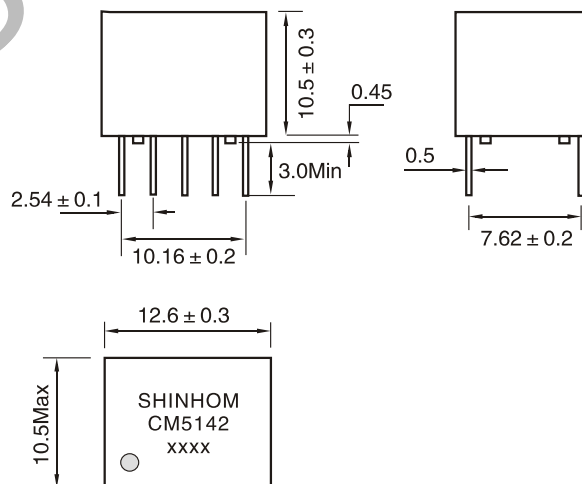
Part Number	Common Mode Attenuation(dB Min)											DCR (Ω Max)	Turns RatioH
	No. of Lines	Inductance 100KHz,0.1V (μ H Min)	100KHz	1MHz	10MHz	30MHz	50MHz	100MHz	300MHz	500MHz	1GHz		
CM5142-220	5	20	2	14	20	19	19	18	14	8	3	0.15	1:1:1:1:1
CM5142-500	5	50	8	21	32	36	37	30	26	17	8	0.20	1:1:1:1:1
CM5142-820	5	80	11	27	40	44	42	36	30	20	-	0.32	1:1:1:1:1
CM5142-100	5	100	14	33	44	48	49	44	34	22	-	0.40	1:1:1:1:1

## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

- Turns Ratio:1-10:2-9:3-8:4-7:5-6=1:1:1:1:1 ± 2%
- Inductance(Ls)@ 100KHz,0.1V
- D.C.R(20°C):QuadTech 1880 Milliohm-meter
- Hi-Pot:200V/DC, 0.5mA, 1Sec between windings
- Insulation resistance@ 50V/DC:10MOhms Min
- Rated voltage:50V/DC
- Rated Current:300mA /DC
- Soldering methods:Wave,Reflow
- Operating Temperature:0°C to 70°C
- Storage Temperature:-55°C to 125°C



Schematic



DIMENSIONS:mm

Unless other wise specified all tolerances are +/-0.25