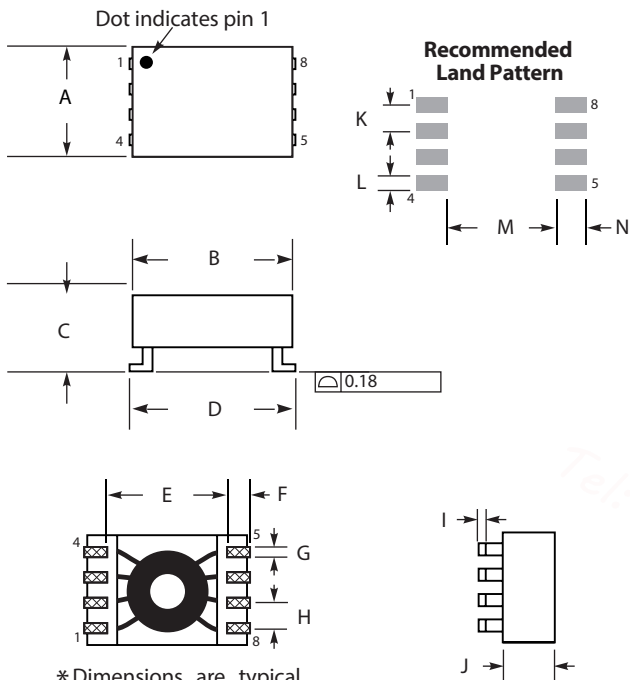
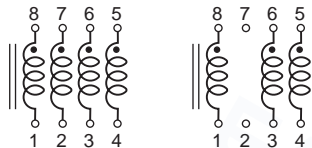


# SMT Data Line EMI Filters

## Shape and Dimensions(Unit:mm):



CMF8060-4000/4500 CMF8060-3000/3500 CMF8060-2000/2500



A	B	C	D	E
5.70±0.20	8.00±0.20	4.10±0.20	8.30±0.20	6.00Typ
F	G	H	I	J
1.00	0.50	1.27	0.305	2.50
K	L	M	N	
1.27	0.76	5.08	1.52	

## Recommended Patterns:



- Available in 4, 3 and 2-line versions
- Exceptional common mode noise attenuation from 15 MHz to 300 MHz; passes signal line data below 300 MHz with minimal attenuation
- DC current capacity of 500 or 100 mA.
- Excellent electrical isolation (300 Vrms)

1. Frequency at which the differential mode attenuation equals -3 dB
2. Inductance shown for each winding, measured at 1 MHz
3. DCR is for each winding.
4. Interwinding isolation (hipot) tested for one minute.
5. Current rating is for each line.
6. Refer to Doc 362 "Soldering Surface Mount Components" before soldering.

Terminations RoHS compliant tin-silver-copper over tin over nickel over phos bronze.

Weight 183 - 201 mg

Ambient temperature -40°C to +85°C

Storage temperature Component: -40°C to +85°C.

Tape and reel packaging: -40°C to +80°C

Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

Mean Time Between Failures (MTBF) 26,315,789 hours

## Electrical Specifications @ 25°C:

Eastever P/N	Lines	Common mode peak impedance (kOhms)	Cutoff frequency (GHz)	Inductance min (uH)	DCR max (mOhms)	Isolation (Vrms)	Current (mA dc)	Coilcraft P/N
CMF8060-4000	4	0.949 @ 210 MHz	1.1	5.0	250	300	100	PDLF4000L
CMF8060-4500	4	0.848 @ 200 MHz	0.88	5.0	200	300	500	PDLF4500L
CMF8060-3000	3	0.901 @ 280 MHz	1.4	5.0	250	300	100	PDLF3000L
CMF8060-3500	3	0.910 @ 210 MHz	1.1	5.0	200	300	500	PDLF3500L
CMF8060-2000	2	0.958 @ 280 MHz	1.3	5.0	250	300	100	PDLF2000L
CMF8060-2500	2	0.929 @ 250 MHz	1.2	5.0	200	300	500	PDLF2500L