

Descriptions

EMC Filter



Features

- Operating ambient temperature range: -40°C to +105°C (The contained inductance itself heats)
- Isolation: 1500AC (Only for EFL2D-3-103)/2000VDC (Coil-Coil, Leakage current $I_o \leq 1\text{mA}$)

Applications

- Industrial control
- power
- home appliances
- Instrumentation
- Communication
- Civil applications

Selection Guide

Model	Inductance (μH)(TYP.)	Current (A)(max)	DCR(m Ω) (MAX)	Weight (g) (TYP)	Size(L*W*H) (mm)
EFL2D-0.5-103	10000*2	0.5	500*2	4.5	17*9.6*18 See Figure 1
EFL2D-0.5-153	15000*2		600*2	4.5	17*9.6*18 See Figure 1
EFL2D-0.5-223	22000*2		650*2	4.5	17*9.6*18 See Figure 1
EFL2D-3-351	350*2	3.0	30*2	3.9	17*9.6*18 See Figure 1
EFL2D-3-102	1000*2		40*2	4.5	17*9.6*18 See Figure 1
EFL2D-3-222	2200*2		50*2	4.5	17*9.6*18 See Figure 1
EFL2D-3-472	4700*2		70*2	4.5	17*9.6*18 See Figure 1
EFL2D-3-103	10000*2		50*2	13.8	24.5*22.5*15.5 See Figure 2

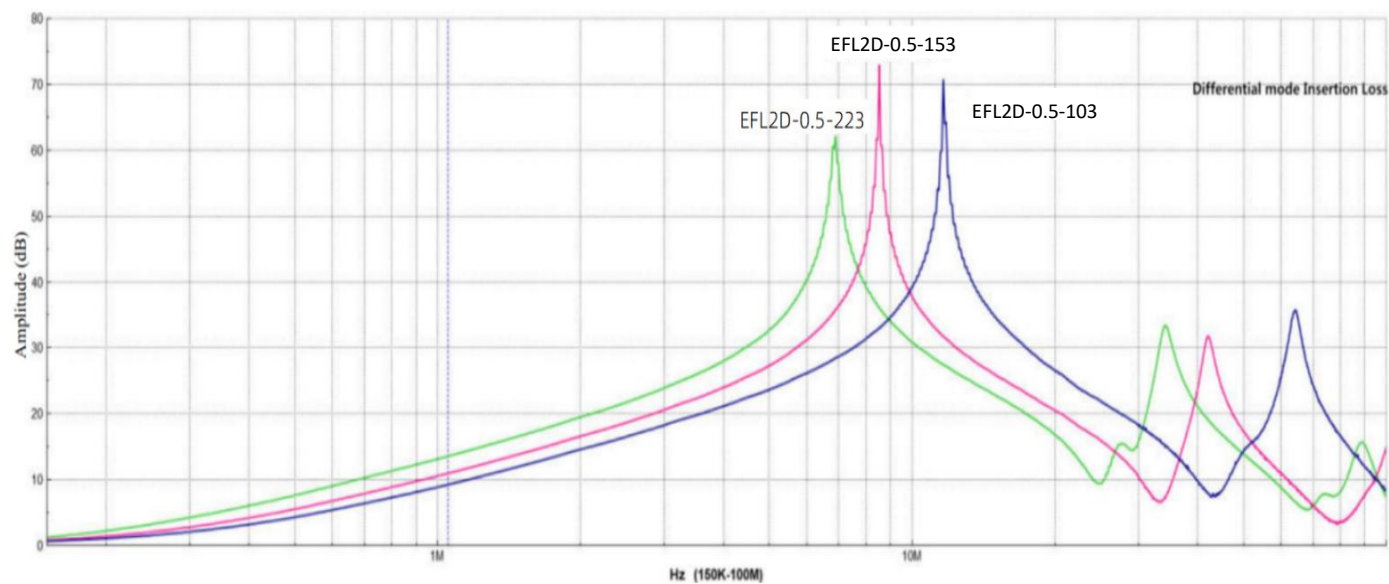
Note: The inductance values above were tested at room temperature 25°C

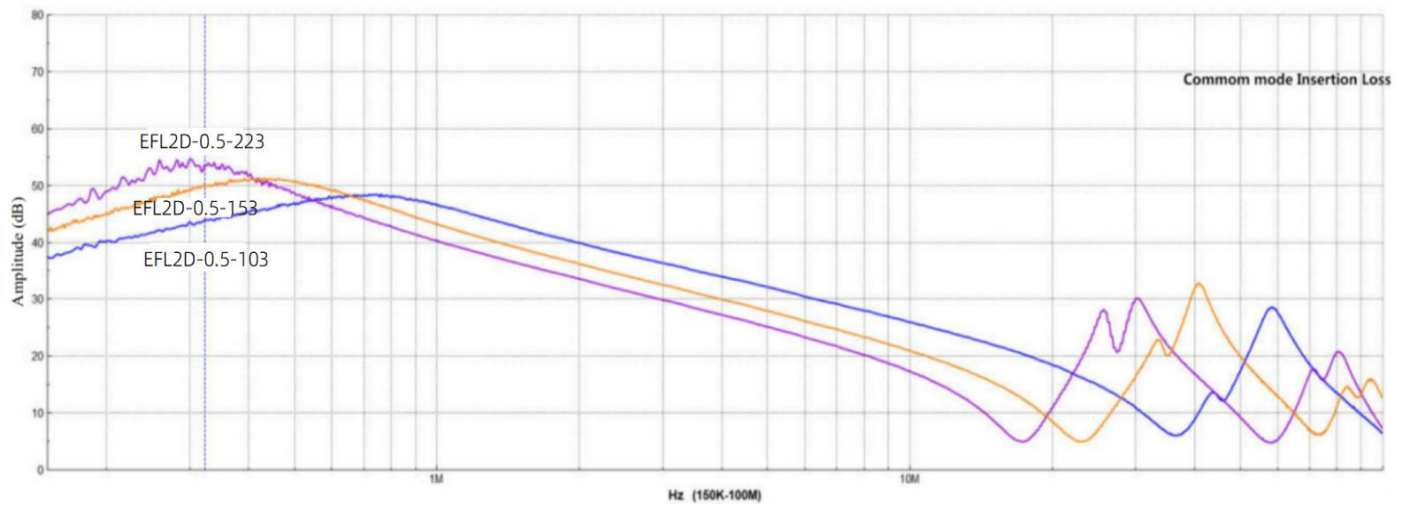
Specifications

Product Specifications	Item	Operating Conditions		Min.	Typ.	Max.	Unit
General Specifications	Operating Temperature*			-40	--	+105	℃
	Storage Temperature			-40	--	+105	
	Storage Humidity			--	--	95	%RH
	Inductance Error Range	fo=1kHz, Uo=0.3V	EFL2D-3-103	-50	--	--	%
			Other	-35	--	--	
	Isolation	Leakage current lo≤1mA, Electric Strength Test for 1min.	Coil-coil	2000	--	--	VDC
		Leakage current lo≤5mA, Electric Strength Test for 1min.(only for EFL2D-3-103)	Coil-coil	1500	--	--	VAC
			Coil-core	1000	--	--	
	Vibration	EFL2D-3-103			IEC60077, IEC 61373 - Category 1, Grade B		
Note: *Operating Temperature range includes inductor self heating.							

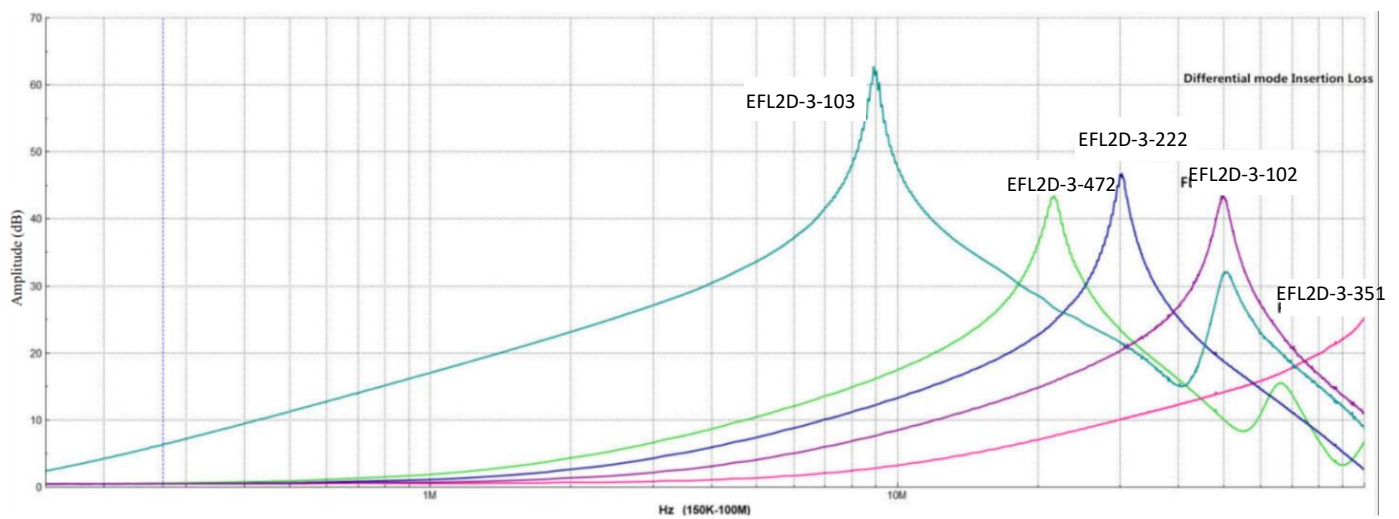
Note: *Operating Temperature range includes inductor self heating.

Insertion Loss Specifications (reference value)

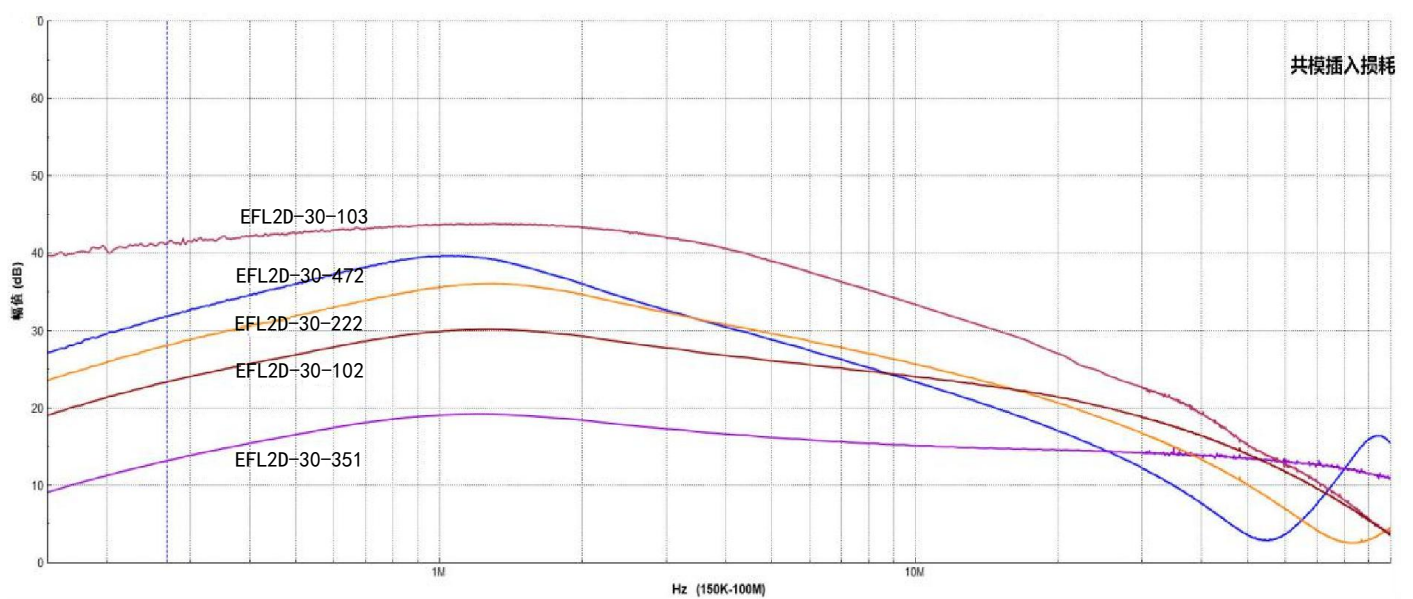




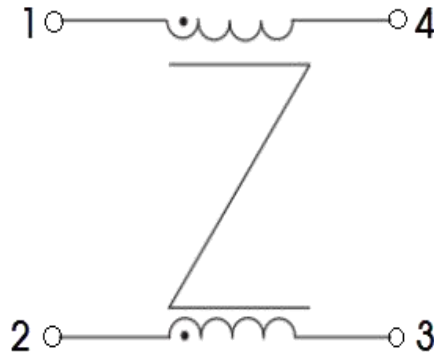
EFL2D-0.5-XXX



EFL2D-3-XXX



Pin Function



Dimensions and Recommended

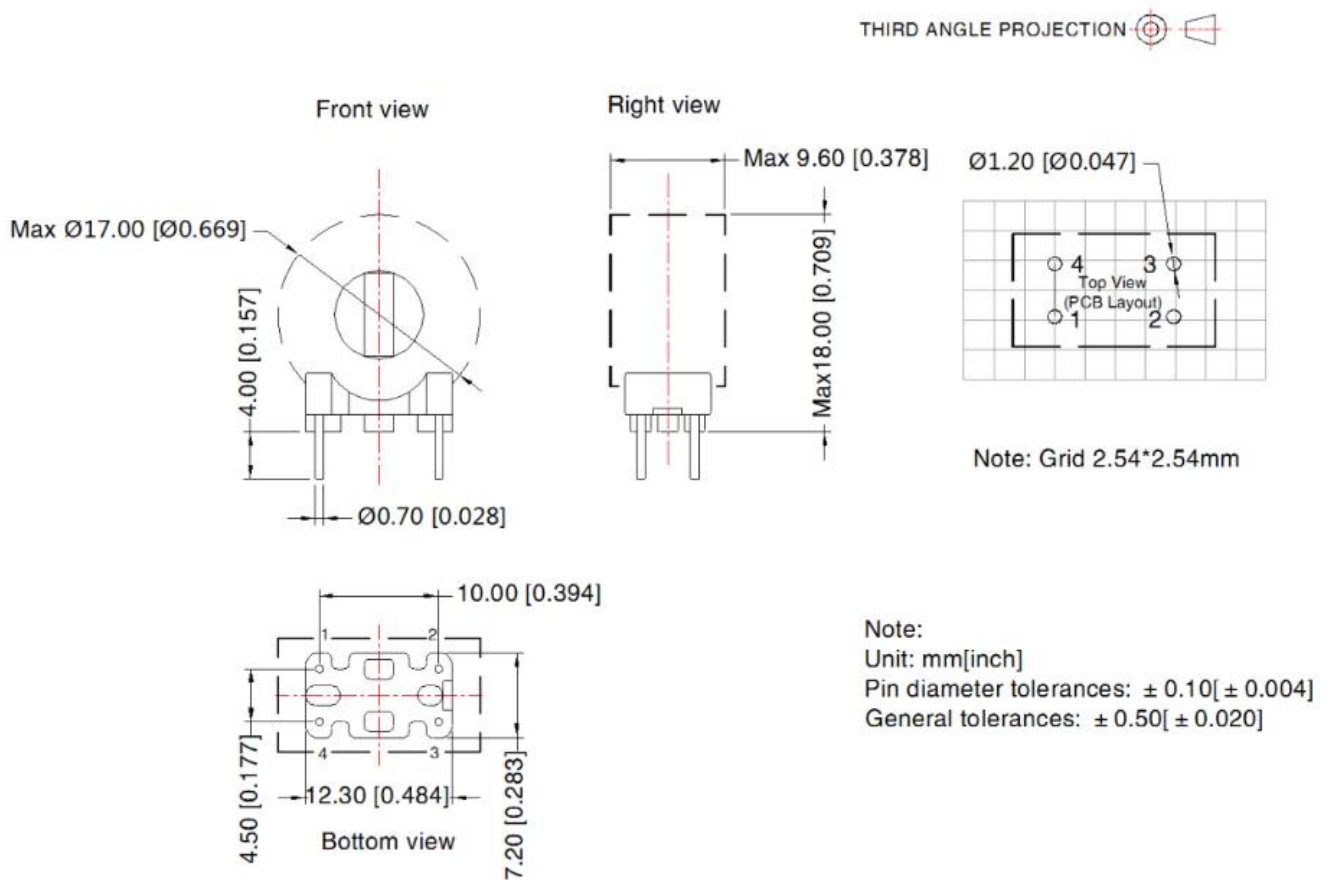
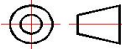


Fig. 1

THIRD ANGLE PROJECTION 

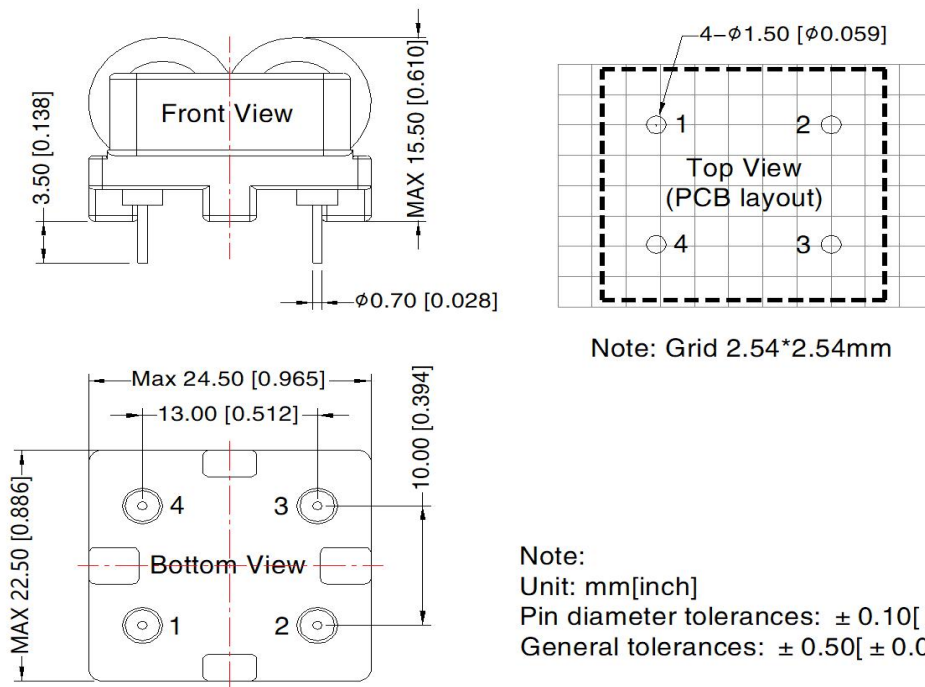


Fig. 2

Note:

1. If the product is not operated within the required load range, the product performance cannot be guaranteed to comply with all parameters in the datasheet;
2. Unless otherwise specified, parameters in this datasheet were measured under the conditions of $T_a=25^\circ\text{C}$, humidity<75% with nominal input voltage and rated output load;
3. All index testing methods in this datasheet are based on our company corporate standards;
4. Products are related to laws and regulations: see "Features" and "EMC";
5. Our products shall be classified according to ISO14001 and related environmental laws and regulations, and shall be handled by qualified units.