F4P3225 TYPE

● <u>FEATURE</u>

- 1. High common mode impedance at high frequency effects excel noise suppression performance
- 2. Suitable for differential signal line like USB2.0, IEEE 1394 and LVDS

• Applications

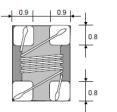
1. Ideal for use as common-mode chokes for USB1.1/USB2.0/IEEE 1394 interface

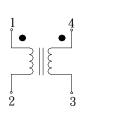
Shape and Dimension and Schematics and Land Patterns(mm)

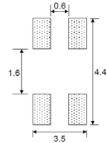
F4P3225 (1210)











Dimension in m/m

• <u>Specification</u>					Dimension in m/m	
PART NO.	Common Mode Impedance (ohm) (tolerance±25%)	Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance (M ohm)	Withstand Voltage (Vdc)	DC Resistance (max.) (ohm)
F4P 3225-900	90 (Typ.) at 100MHz	1000	50	10 min	125	0.30
F4P 3225-601	600 (Typ.) at 100MHz	1000	50	10 min	125	0.20
F4P 3225-102	1000 (Typ.) at 100MHz	400	50	10 min	125	0.30

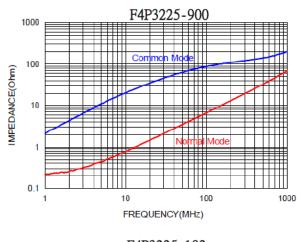
Note1. Measurement ambient temperature of electrical : at 20°C

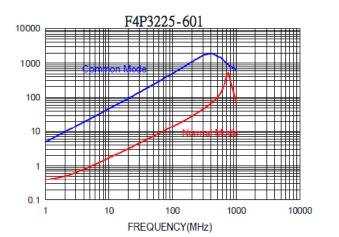
Note2. Test equipment: HP4291A

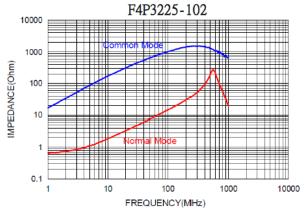
FENG-JUI TECHNOLOGY CO., LTD

EMI SOLOTION PRODUCTS-RoHS

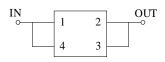
●F4P 3225



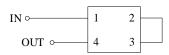








COMMON MODE



NORMAL MODE

Your Perfect Inductor

GENERAL CHARACTERISTICS

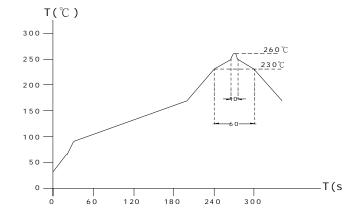
- 1. Operating temperature range: -40 TO + 125°C (Includes temperature when the coil is heated)
- 2. External appearance: On visual inspection, the coil has no external defects.
- Terminal strength: After soldering. Between copper plate and terminals of coil. Push in two directions of X.Ywithstanding at below conditions.

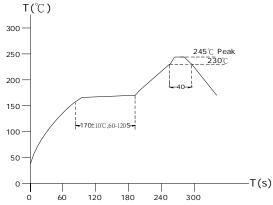
Terminal should not peel off. (refer to figure at right) 0.5kg Min -F4P3225.

- 4. Insulating resistance: Over $100M\Omega$ at 100V D.C. between coil and core.
- 5. Dielectric strength: No dielectric breakdown at 100V D.C. for 1 minute between coil and core.
- 6. Temperature characteristics: Inductance coefficient (0~2,000)x10-6/°C (-25~+80°C).
- Humidity characteristics(Moisture Resistance): Inductance deviation within ±5%, after 96 hours in 90~95% relative humidity at 40 ±2℃ and 1 hour drying under normal condition.
- Vibration resistance: Inductance deviation within ±5%, after vibration for 1 hour. In each of three orientations at sweep vibration (10~55~10 Hz) with 1.5mm P-P amplitudes.
- 9. Shock resistance: Inductance deviation within ±5%, after being dropped once with 981m/s2 (100G) shock attitude upon a rubber block method shock testing machine, in three different orientations.
- 10. Resistance to Soldering Heat: 260°C, 10 seconds(See attached recommend reflow)
- 11. Storage environment: Storage condition: Temperature Range: 10°C ~ 35°C (Generally: 21°C ~ 31°C) , Humidity Range: 50% ~ 80% RH (Generally: 65% ~ 75%); Transportation condition: Temperature Range: -35°C ~ 85°C , Humidity Range: 50% ~ 95% RH
- 12. Use components within 12 months. If 12 months or more have elapsed, check solderability before use.
- 13. Reflow profile recommend:

Lead-free heat endurance test

Lead-free the recommended reflow condition





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Rev.1502

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