

# BRUSHLESS DC FANS

# F251R

## FEATURES

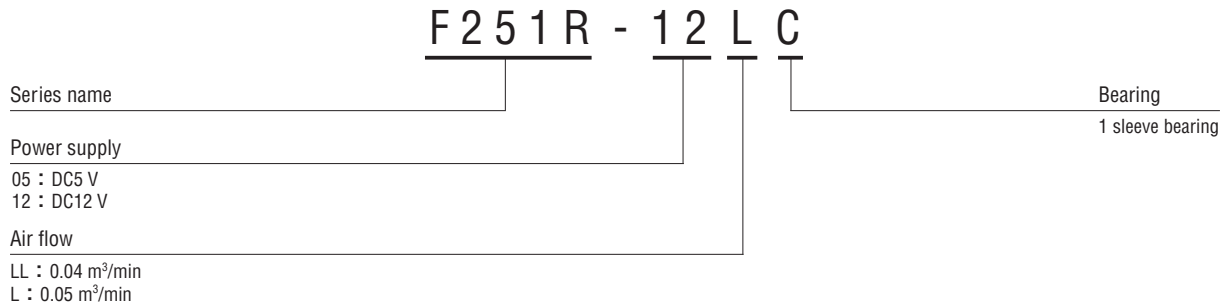
- Low noise, 11 dB (A) type by the correct application of hydrodynamic design of impeller and frame
- Light weight (approx. 7 g)

## STRUCTURE

- Frame and impeller  
ABS/PBT alloy
- Bearing  
1 sleeve bearing



## PART NUMBER DESIGNATION



## LIST OF PART NUMBERS

| Power supply | Part number | Power supply | Part number |
|--------------|-------------|--------------|-------------|
| DC5 V        | F251R-05LLC | DC12 V       | F251R-12LLC |
|              | F251R-05LC  |              | F251R-12LC  |

※ Verify the above part numbers when placing orders.

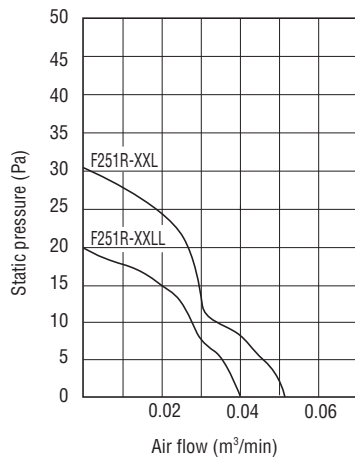
# F251R

## BRUSHLESS DC FANS

### STANDARD SPECIFICATIONS

| Item                | F251R-05LC                 | F251R-05LLC              | F251R-12LC               | F251R-12LLC              |
|---------------------|----------------------------|--------------------------|--------------------------|--------------------------|
| Rated voltage       | DC5 V                      |                          | DC12 V                   |                          |
| Voltage range       | 4.2 ~ 5.7 V                |                          | 10.2 ~ 13.8 V            |                          |
| Rated current       | 0.08 A                     | 0.06 A                   | 0.05 A                   | 0.04 A                   |
| Rotating speed      | 8000 min <sup>-1</sup>     | 6500 min <sup>-1</sup>   | 8000 min <sup>-1</sup>   | 6500 min <sup>-1</sup>   |
| Air flow            | 0.05 m <sup>3</sup> /min   | 0.04 m <sup>3</sup> /min | 0.05 m <sup>3</sup> /min | 0.04 m <sup>3</sup> /min |
| Static pressure     | 30 Pa                      | 20 Pa                    | 30 Pa                    | 20 Pa                    |
| Noise               | 15 dB (A)                  | 11 dB (A)                | 15 dB (A)                | 11 dB (A)                |
| Use environment     | -10 ~ +60 °C (35 ~ 85 %RH) |                          |                          |                          |
| Storage environment | -20 ~ +70 °C (35 ~ 85 %RH) |                          |                          |                          |
| Net weight          | Approx. 7 g                |                          |                          |                          |

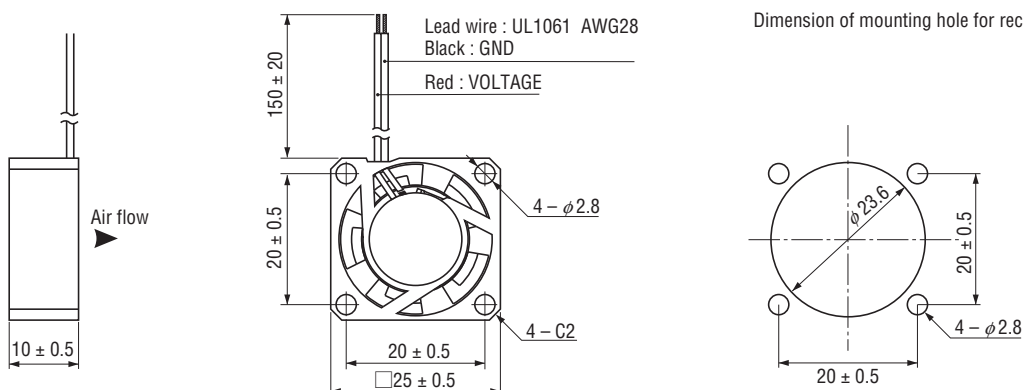
### AIR FLOW PERFORMANCE CURVES



※ The specifications above are typical values measured on the conditions of no-loading running with rated voltage in the circumstances of 25 °C ± 2 °C, 35~ 85 %RH. Please contact us if you would liketo check the specifications in different circumstances.

### OUTLINE DIMENSIONS

(Unit: mm)



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [DC Fans](#) category:*

*Click to view products by [Nidec Copal](#) manufacturer:*

Other Similar products are found below :

[614R](#) [AUB0612L](#) [AFB0948HH-S687](#) [G2E085-AA05-10](#) [4318/12T](#) [AUB0912H-F00](#) [3412N/2ME](#) [W2G110-AM39-01](#) [8412GLV](#) [8412NGL-12](#) [6448-384](#) [4114N/17-251](#) [4318/2R](#) [4412F/2D](#) [424JMU](#) [4414/2HH](#) [4112 N/12GL-175](#) [9GA0912F402](#) [9GA0812B20011](#)  
[AFB0824SHBAV1](#) [DV5214/2NP-230](#) [9GA0912H4021](#) [THC1548MGDJJ](#) [9GA0812B2001](#) [GFB1224SHG](#) [8500NU](#) [9WG1212E101-E](#)  
[3241.124](#) [DC0401012V2B-3T0](#) [ASFP14391](#) [ASFP64371](#) [ASFP64391](#) [ASFP84391](#) [ASFP92391](#) [9A0612G402](#) [AD5012HB-C71](#)  
[AD5012MB-C71](#) [ASFP84372](#) [ASFP64372](#) [31100-000440-RS](#) [ASFP14372](#) [ASFP16371](#) [ASFP40770](#) [ASFP42770](#) [ASFP44770](#) [ASFP64392](#)  
[ASFP82392](#) [ASFP84392](#) [ASFP92371](#) [ASFP92392](#)