

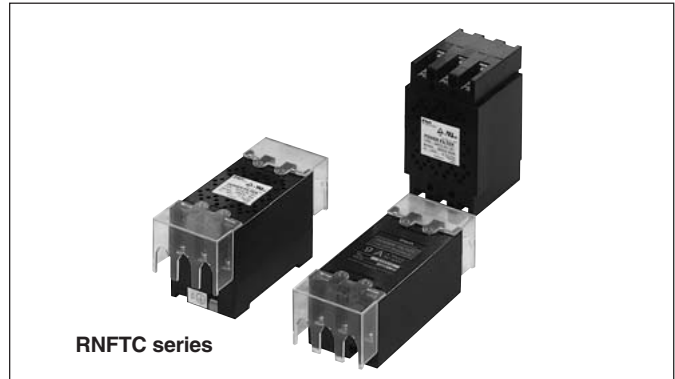
# Noise Suppression Filters

## RNFTC series

### RNFTC series input circuit Power Filters

#### ■ Features

- Compliance with international safety standards (UL 1283, CSA C22.2 No. 8, EN 133200).
- Resin case model with integrated terminal block construction.
- External terminal construction equivalent to field-wiring terminal in durability.
- Identical terminal configuration with FUJI's MCCB, thus simplifying wiring work.
- Small leakage current minimizes ELCB (Earth Leakage Circuit Breaker) malfunctions.
- Combination with an RNFTS series output circuit Power Filter provides high damping characteristics.



#### ■ Standards



UL1283  
CSA C22.2, No.8

File No. E210696



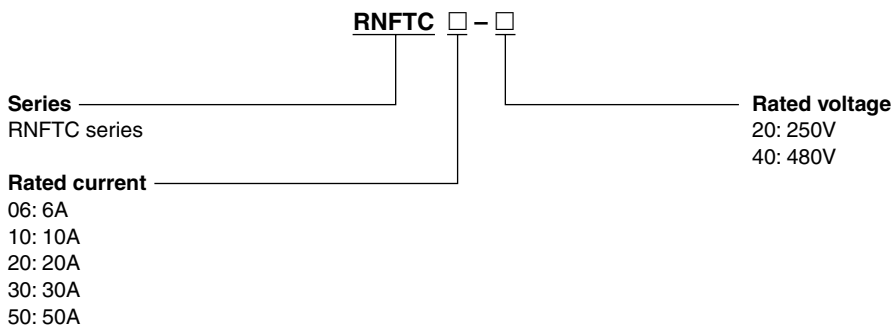
EN133200

R50023040, R50023039

#### ■ Types and specifications

Type	Phase	Rated voltage(V)	Rated current (A)	Withstand voltage to grounding (V AC)	Leakage current (mA)	Voltage drop (V)	Operating ambient temperature (°C)
<b>RNFTC06-20</b>	3-phase	250	6	2000, 1 minute	1.0 max. at one phase grounded	1.0 max.	-10 to +50
<b>RNFTC10-20</b>			10				
<b>RNFTC20-20</b>			20				
<b>RNFTC30-20</b>			30				
<b>RNFTC50-20</b>			50				
<b>RNFTC06-40</b>	3-phase	480	6	2500, 1 minute	<ul style="list-style-type: none"> <li>• 1.0 max. at neutral phase grounded</li> <li>• 1.0 max. at one phase grounded</li> </ul>	1.0 max.	-10 to +50
<b>RNFTC10-40</b>			10				
<b>RNFTC20-40</b>			20				
<b>RNFTC30-40</b>			30				
<b>RNFTC50-40</b>			50				

#### ■ Type number nomenclature



#### ■ Ordering information

Specify the following:

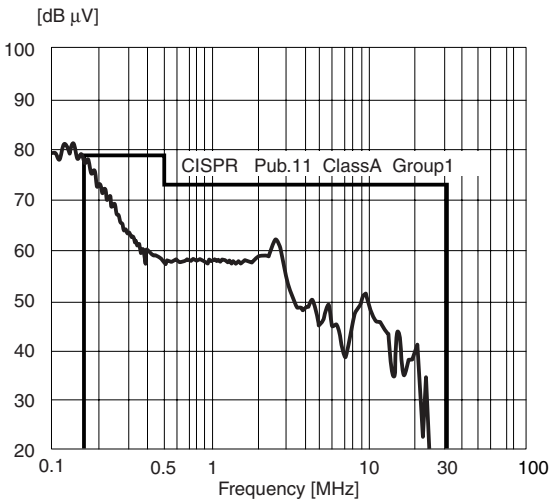
1. Type number

## ■ Noise damping characteristics

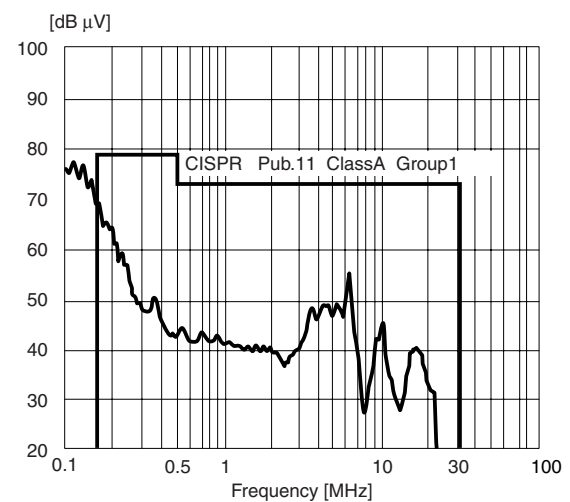
### • Dynamic characteristics

Typical example: FUJI inverter combining an RNFTC06-20 input circuit Power Filter and an RNFTS05-20 series output circuit Power Filter.

#### • RNFTC06-20 only



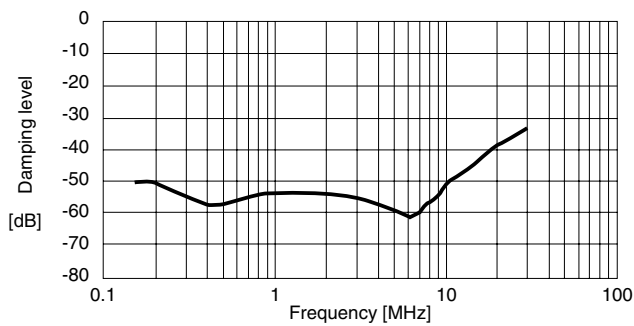
#### • RNFTC06-20 + RNFTS05-20



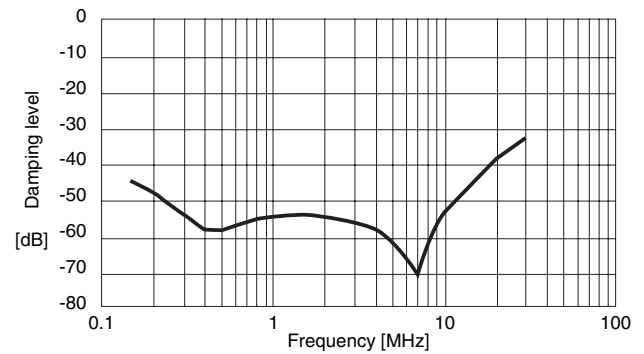
### • Static characteristics

Typical example: RNFTC06-20

#### • Normal mode

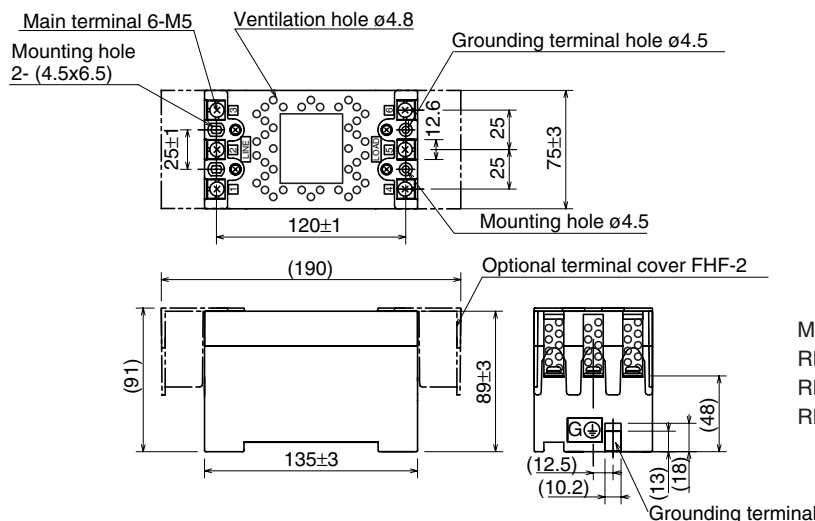


#### • Common mode



## ■ Dimensions, mm

RNFTC06-20, 06-40, 10-20, 10-40, 20-20, 20-40



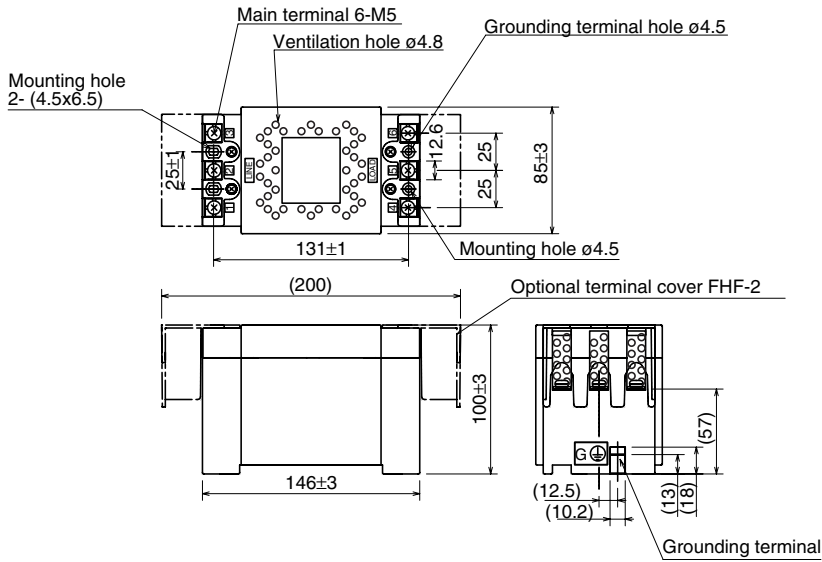
Mass:  
 RNFTC06-20, 10-20: 0.7kg  
 RNFTC20-20: 0.8kg  
 RNFTC06-40, 10-40, 20-40: 1.0kg

# Noise Suppression Filters

## RNFTC series

### ■ Dimensions, mm

RNFTC30-20, 30-40, 50-20, 50-40



Mass:

RNFTC30-20: 1.0kg

RNFTC30-40: 1.4kg

RNFTC50-20: 1.1kg

RNFTC50-40: 1.6kg