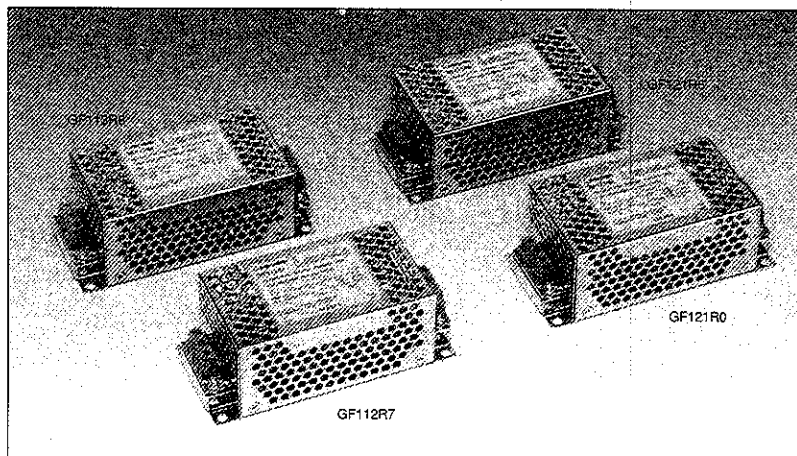




### Features

- (1) European standard terminals for CE marking (machinery directive).
- (2) High saturated magnetic flux by PFHC choke coil
- (3) Attenuation effect against high voltage pulse noise and fast transient burst

### Safety standard

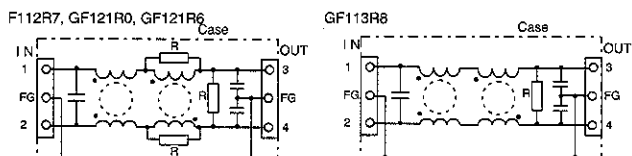
- UL1283
- CSA Std. C22.2 No. 8
- VDE0565 Teil. 3
- GF121R0, GF121R6

### Specifications

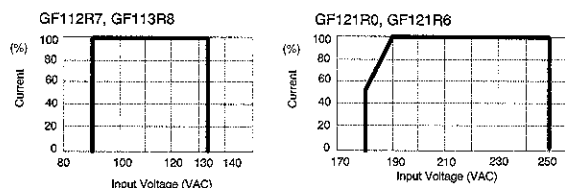
| Item | Model                                           | GF112R7                                                                            | GF113R8     | GF121R0                                       | GF121R6     |
|------|-------------------------------------------------|------------------------------------------------------------------------------------|-------------|-----------------------------------------------|-------------|
| 1    | Input voltage range (AC)                        | 90 ~ 132V (50/60Hz)                                                                |             | 180 ~ 250V (50/60Hz)                          |             |
| 2    | Minimum output voltage (AC)                     | 85V                                                                                |             | 170V                                          |             |
| 3    | Max. voltage drop (AC)                          | 5V                                                                                 |             | 20V                                           |             |
| 4    | Rated current (AC) rms (Note)                   | 2.7A                                                                               | 3.8A        | 1.0A                                          | 1.6A        |
| 5    | Max. output power                               | 160W                                                                               | 270W        | 160W                                          | 270W        |
| 6    | Test voltage (terminal to case, AC 1 minute)    | 2500V (25°C, 70% RH)                                                               |             |                                               |             |
| 7    | Isolation resistance (terminal to case, 500VDC) | 100MΩ min. (25°C, 70% RH)                                                          |             |                                               |             |
| 8    | Leakage current                                 | 132V, 60Hz                                                                         | 0.27mA max. |                                               | —           |
|      |                                                 | 250V, 60Hz                                                                         | —           |                                               | 0.50mA max. |
| 9    | DC resistance (Both lines)                      | 0.7Ω max.                                                                          | 0.5Ω max.   | 5.0Ω max.                                     | 4.7Ω max.   |
| 10   | Operating temperature                           | -25 ~ +85°C                                                                        |             |                                               |             |
| 11   | Operating humidity                              | 30% ~ 90% RH (No dewdrop)                                                          |             |                                               |             |
| 12   | Storage temperature                             | -40 ~ +85°C                                                                        |             |                                               |             |
| 13   | Storage humidity                                | 10% ~ 95% RH (No dewdrop)                                                          |             |                                               |             |
| 14   | Vibration                                       | Sweep: 10 ~ 55 ~ 10Hz (for 1 minute), Amplitude: 1.5mm X, Y and Z axes for 2 hours |             |                                               |             |
| 15   | Safety standard                                 | Approved by UL and CUL safety standards.                                           |             | Approved by UL, CUL and VDE safety standards. |             |
| 16   | Weight (Typ)                                    | 750g                                                                               |             |                                               |             |

(Note) : Refer to the derating curve shown below.

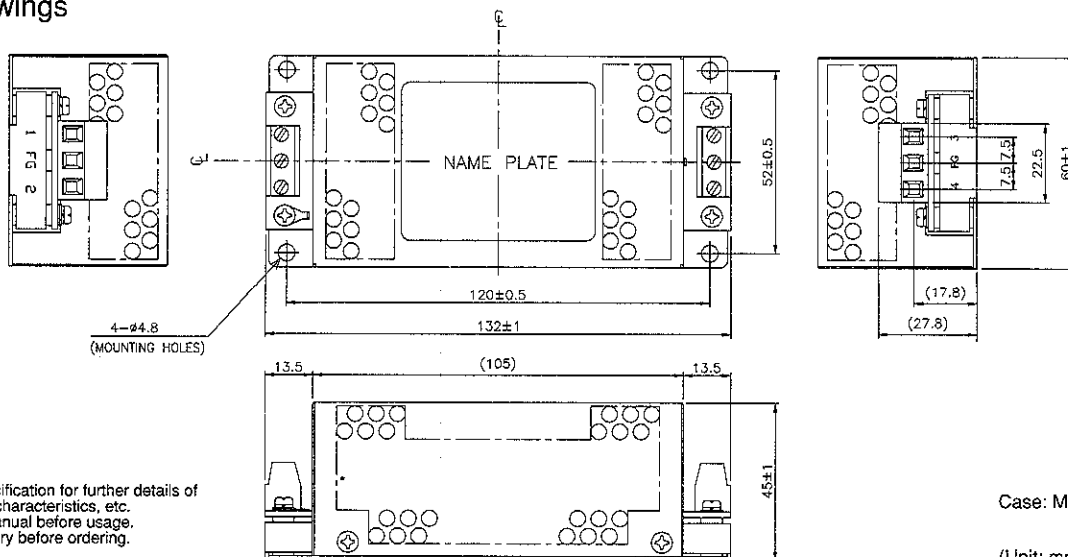
### Circuit



### Derating



### Outline drawings



- Request customer specification for further details of specifications, outline, characteristics, etc.
- Read the instruction manual before usage.
- Contact us about delivery before ordering.

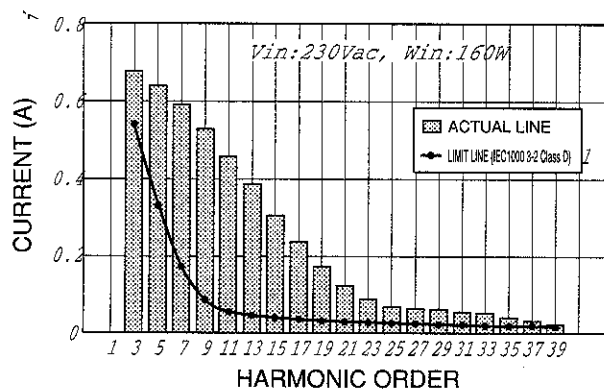
Case: Metal

(Unit: mm)

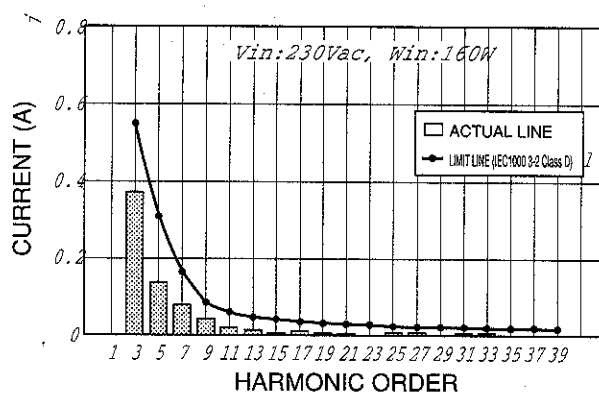
## CHARACTERISTICS

### Characteristic of Harmonic Corrector

Before countermeasure

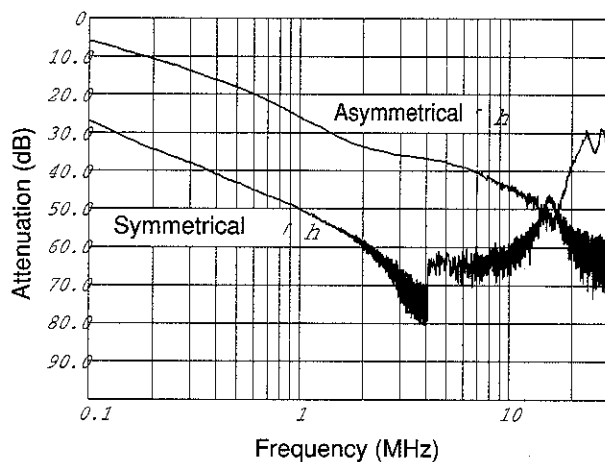


After countermeasure (GF121R0)

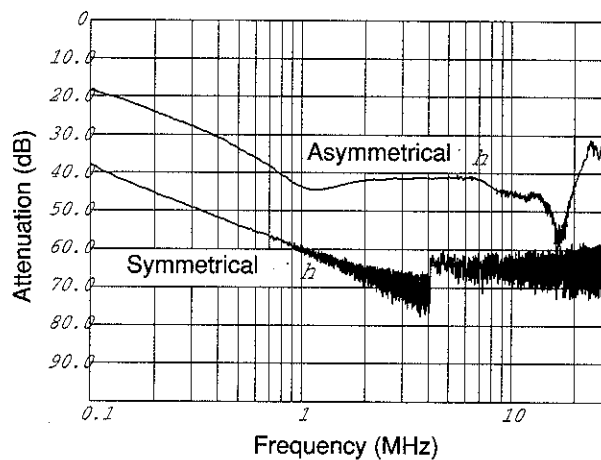


### Typical Insertion Loss

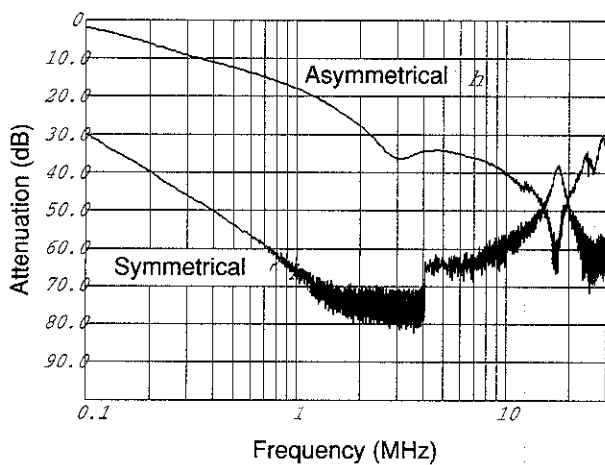
#### GF112R7



#### GF121R0



#### GF113R8



#### GF121R6

