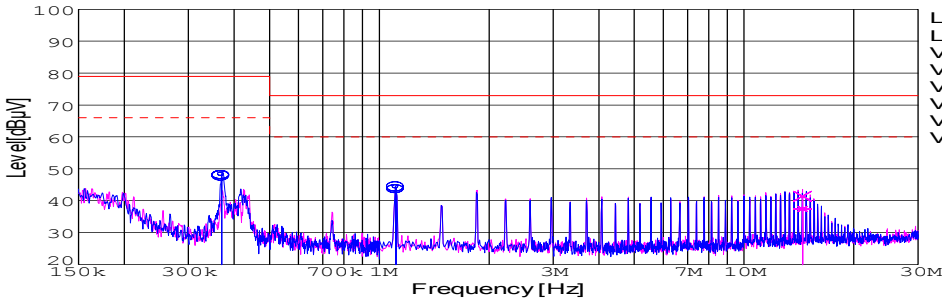
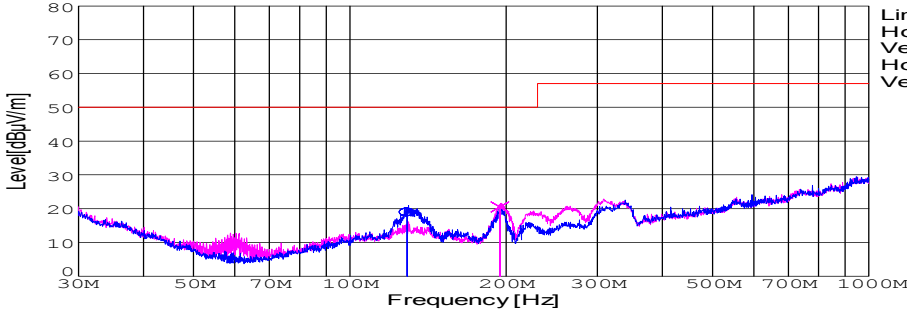


| DATA SHEET   |  |                           |                          |                     |                    |           | Date   | 10-Feb-05        |                   |                 |
|--|--|---------------------------|--------------------------|---------------------|--------------------|-----------|--|------------------|-------------------|-----------------|
| Model  | SUS62412                                   |                           |                          |                     |                    |           | Temp.  | 25 degreeC       |                   |                 |
| Test   | EMI<br>Line conduction & Radiated emission |                           |                          |                     |                    |           | Humid.   | 45 %RH           |                   |                 |
|  |  |                           |                          |                     |                    |           | Tested by  | Y.Hirose         |                   |                 |
| LINE CONDUCTION  |  |                           |                          |                     |                    |           |  |                  |                   |                 |
| Model Name : SUS62412  |  |                           | Temp. : 25               |                     |                    |           |  |                  |                   |                 |
| Model No. :  |  |                           | Humi. : 45               |                     |                    |           |  |                  |                   |                 |
| Serial No. :   |  |                           | Date : 2005/2/10 11:23   |                     |                    |           |  |                  |                   |                 |
| Points : 3   |  |                           | Test Equip. : R3132,ESPC |                     |                    |           |  |                  |                   |                 |
| Detector : PEAK/QP/Ave.  |  |                           | Comment : Y.Hirose       |                     |                    |           |  |                  |                   |                 |
| Line Mode : VA/VB  |  |                           |                          |                     |                    |           |  |                  |                   |                 |
| Power Supply : DC 24V  |  |                           |                          |                     |                    |           |  |                  |                   |                 |
| Limit1: [EN 55022] Class A(QP)   |  |                           |                          |                     |                    |           |  |                  |                   |                 |
| Limit2: [EN 55022] Class A(Ave.)   |  |                           |                          |                     |                    |           |  |                  |                   |                 |
|    |  |                           |                          |                     |                    |           | Limit1(QP)<br>Limit2(Ave.)<br>VA(PEAK)<br>VB(PEAK)<br>VA(QP)<br>VA(Ave.)<br>VB(QP)<br>VB(Ave.) |                  |                   |                 |
|  |  |                           |                          |                     |                    |           | DC 24V<br>12V0.5A  |                  |                   |                 |
| Frequency [MHz]  | Meter Reading (Ave.) [dBuV]                | Meter Reading (QP) [dBuV] | Factor [dB]              | Level(Ave.) [dBuV]  | Level(QP) [dBuV]   | Line      | Limit(Ave.) [dBuV]   | Limit(QP) [dBuV] | Margin(Ave.) [dB] | Margin(QP) [dB] |
| 0.3701   | 38.2                                       | 37.9                      | 9.9                      | 48.1                | 47.8               | VA        | 66   | 79               | 17.9              | 31.2            |
| 1.1114   | 34.3                                       | 33.6                      | 9.9                      | 44.2                | 43.5               | VA        | 60   | 73               | 15.8              | 29.5            |
| 14.4609  | 27.2                                       | 31.2                      | 10.2                     | 37.4                | 41.4               | VB        | 60   | 73               | 22.6              | 31.6            |
| RADIATED EMISSION  |  |                           |                          |                     |                    |           |  |                  |                   |                 |
| Model Name : SUS62412  |  |                           | Temp. : 25               |                     |                    |           |  |                  |                   |                 |
| Model No. :  |  |                           | Humi. : 45               |                     |                    |           |  |                  |                   |                 |
| Serial No. :   |  |                           | Date : 2005/2/10 16:45   |                     |                    |           |  |                  |                   |                 |
| Points : 2   |  |                           | Test Equip. : R3132,ESPC |                     |                    |           |  |                  |                   |                 |
| Detector : PEAK/QP   |  |                           | Comment : Y.Hirose       |                     |                    |           |  |                  |                   |                 |
| Polarization : Hori. & Vert.   |  |                           |                          |                     |                    |           |  |                  |                   |                 |
| Power Supply : DC 24V  |  |                           |                          |                     |                    |           |  |                  |                   |                 |
| Limit: [EN 55022] Class A<3m>  |  |                           |                          |                     |                    |           |  |                  |                   |                 |
|  |  |                           |                          |                     |                    |           | Limit(QP)<br>Horizontal(PEAK)<br>Vertical(PEAK)<br>Horizontal(QP)<br>Vertical(QP)              |                  |                   |                 |
|  |  |                           |                          |                     |                    |           | DC 24V<br>12V0.5A  |                  |                   |                 |
| Frequency [MHz]  | Meter Reading (QP) [dBuV]                  | Ant. Type                 | Antenna Factor [dB/m]    | Cable & Preamp [dB] | Level(QP) [dBuV/m] | Angle [°] | Height [cm]  | Polar.           | Limit [dBuV/m]    | Margin [dB]     |
| 129.056  | 39.2                                       | BL                        | 11.2                     | -31.6               | 18.8               | 356       | 143  | Hori.            | 50                | 31.2            |
| 194.668  | 43.4                                       | BL                        | 8.4                      | -31.3               | 20.5               | 0         | 109  | Vert.            | 50                | 29.5            |

# COSEL

## Conditions

Test : EMI  
Model Name : SUS/SUW 624□□

○Photographs of Test Set-Up

### LINE CONDUCTION



### RADIATED EMISSION



○Testing circuitry

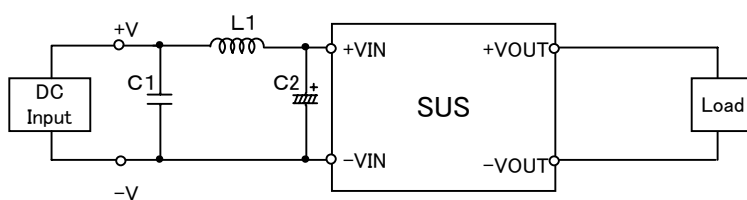


Fig.1 Testing circuitry 1

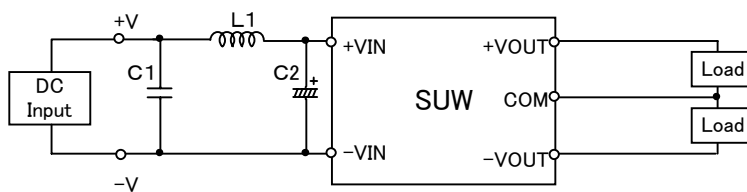


Fig.2 Testing circuitry 2

|      |                 |                |                     |
|------|-----------------|----------------|---------------------|
| L1 : | 2.2 $\mu$ H     | CY3H-2R2       | (KORIN ELECTRONICS) |
| C1 : | 50V 2.2 $\mu$ F | C3225X5R1H225M | (TDK)               |
| C2 : | 50V 100 $\mu$ F | UPM1H101M      | (NICHICON)          |