



# 0160F0003B101M

## Coaxial Switch

### 3GHz F 12VDC SPDT Failsafe Coaxial Switch

#### Features

- ✓ High Repeatability
- ✓ Low VSWR



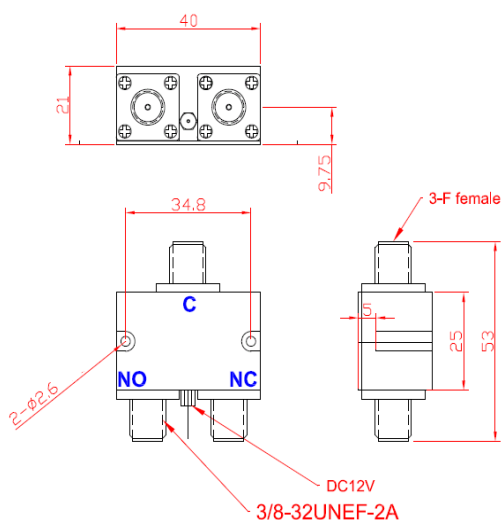
#### Electrical Specifications

|                           |                                                                 |
|---------------------------|-----------------------------------------------------------------|
| Frequency                 | DC-3GHz                                                         |
| VSWR                      | 1.4:1(Max.)@DC-1GHz<br>1.6:1(Max.)@1-2GHz<br>1.7:1(Max.)@2-3GHz |
| Insertion Loss            | 0.4dB(Max.)@DC-1GHz<br>0.5dB(Max.)@1-2GHz<br>0.8dB(Max.)@2-3GHz |
| Isolation                 | 60dB(Min.)@DC-1GHz<br>45dB(Min.)@1-2GHz<br>35dB(Min.)@2-3GHz    |
| Power Handling            | 1W(CW)                                                          |
| Impedance                 | 75Ohm                                                           |
| Operating Voltage/Current | DC12V/50mA                                                      |
| Operating Life            | 1,000,000 Cycles (Min.)                                         |
| Switching Time            | 5ms                                                             |
| Actuation                 | Failsafe                                                        |
| Coaxial Connection        | F Female                                                        |

#### Environmental

|                       |            |
|-----------------------|------------|
| Operating Temperature | -30°C~75°C |
|-----------------------|------------|

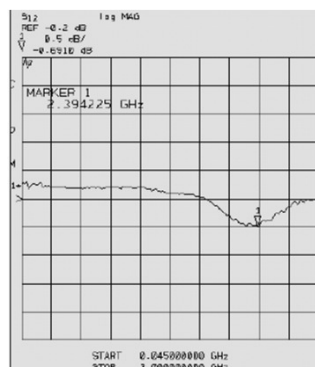
#### Outling Drawing (Unit:mm)



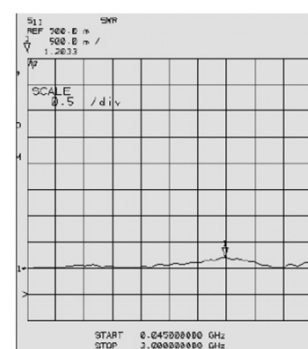
Note: 請將switch固定在具有散熱功能的鋁板上使用  
另有含固定鋁板支架款可供選擇

#### Test Report

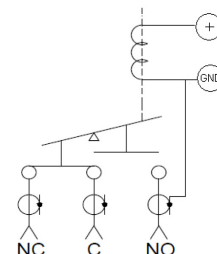
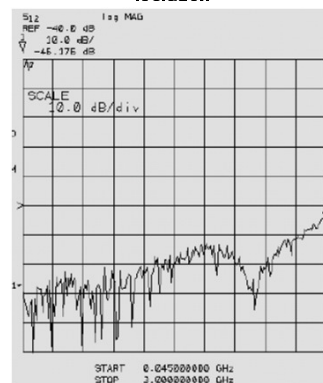
Insertion Loss



VSWR



Isolation



Control Voltage: DC=0V, RF C-NC ON, C-NO OFF  
DC=12V, RF C-NC OFF, C-NO ON

All Specification Changed Without Notification.