



RF Components

Model Number:  
**CST-POE-SW08-1083**

# 8-Way L-Band Smart Switch

**850 - 2150 MHz**

Smart Component switch with power & remote control via Ethernet port.

- Max 3dB insertion loss
- Power & remote control via RJ45 Ethernet port.
- Switching of 4-way switch path via Web browser, SNMP & TCP/IP..
- Use for either 1x8 or 8x1 switching.
- Local switch path indicated by status LED.

Available with RF connector options:

- 50  $\Omega$  SMA



## Mounting Options

Thru hole mount or tapped holes for chassis mount.



**850 - 2150 MHz**  
operating frequency range.



## Compact

housed in a rugged compact enclosure



## Local Monitoring

via status LED showing Switch path.



## Remote control & Power

via RJ45 Ethernet port .

## Broadcast



## Marine Oil & Gas



## SNG & VSAT



## Satellite Teleport





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## Technical specifications and operating parameters

| RF Parameters (Preliminary) |                                 |                  |
|-----------------------------|---------------------------------|------------------|
| Frequency Range (MHz)       |                                 | 850 - 2150       |
| Capacity                    |                                 | 1 x 8 or 8 x 1   |
| Insertion Loss (dB) Max     |                                 | 6.0              |
| Isolation (dB)              | I/P-O/P                         | 60               |
|                             | I/P-I/P                         | 60               |
| Flatness (dB)               |                                 | ±1.0             |
| Spurious (dBm)              | In band Max Typ                 | <-95<br><-105    |
|                             | Out of band (10MHz - 3 GHz) Max | <-80             |
| Input Return Loss (dB)      |                                 | Typ 20<br>Min 14 |
| Output Return Loss (dB)     |                                 | Typ 20<br>Min 14 |

| Environmental              |                                            |
|----------------------------|--------------------------------------------|
| Operating Temperature (°C) | 0 to +45                                   |
| Storage Temperature (°C)   | -20 to +75                                 |
| Location                   | Indoor Use Only                            |
| Humidity                   | 85% non-condensing                         |
| Altitude                   | 3,000m (~10,000ft)<br>Above Mean Sea Level |

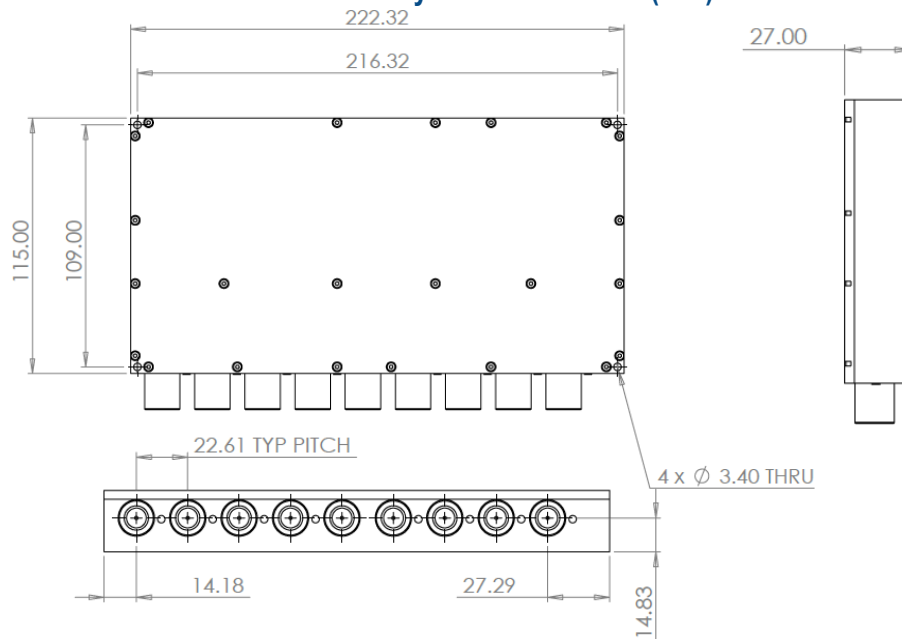
| System Control |                                            |
|----------------|--------------------------------------------|
| Remote Control | Ethernet (RJ45) Web Browser, SNMP & TCP/IP |
| Display        | LED Switch path indicator                  |

| Physical         |      |
|------------------|------|
| Input Connector  | SMA  |
| Input Impedance  | 50 Ω |
| Output Connector | SMA  |
| Output Impedance | 50 Ω |

| Max Operating Parameters |                                |
|--------------------------|--------------------------------|
| Input RF Power           | +10 dBm (10mW) Max             |
| DC Power                 | PoE 802.3af Compliant (44-57V) |
| Power consumption        | 6W max                         |

! Operation beyond these limits may cause instantaneous and permanent damage.

## Physical Dimensions (mm)



Note: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved specification accuracy.

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