



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

RF Components

# 8-Way Broadband Smart Switch

10 - 3000 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 Ω SMA

# Switch



### Mounting Options

Thru hole mount or tapped holes for chassis mount.



10 - 3000 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





RF Components

Model Number:  
**CST-POE-SW08-1083**  
8-Way Broadband Smart Switch

**Technical specifications and operating parameters**

RF Parameters (Preliminary)			
Frequency Range (MHz)		850 - 2150	10-3000MHz
Capacity		1 x 8 or 8 x 1	
Insertion Loss (dB) Max		6.0	6.5
Isolation (dB)	I/P-O/P	60	55
	I/P-I/P	60	55
Flatness (dB)		±1.0	±1.5
Spurious (dBm)	In band Max Typ	<-95 <-105	
	Out of band (10MHz - 3 GHz) Max	<-80	
Input Return Loss (dB)	Typ	20	16
	Min	14	12
Output Return Loss (dB)	Typ	20	16
	Min	14	12

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

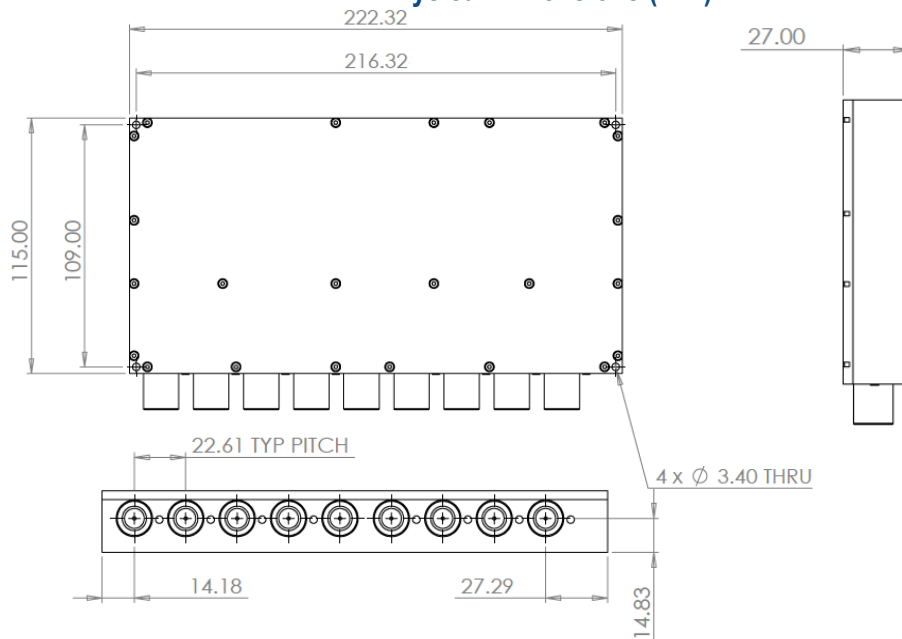
Physical	
Input Connector	SMA
Input Impedance	50 Ω
Output Connector	SMA
Output Impedance	50 Ω

Environmental	
Operating Temperature (°C)	0 to +45
Storage Temperature (°C)	-40 to +75
Location	Indoor Use Only
Humidity	85% non-condensing
Altitude	3,000m (~10,000ft) Above Mean Sea Level

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.

ETL SYSTEMS LIMITED  
Coldwell Radio Station  
Madley  
Hereford  
England HR2 9NE

TELEPHONE  
+44 (0)1981 259020  
  
EMAIL  
info@etlsystems.com

FACSIMILE  
+44 (0)1981 259021  
  
WEB  
www.etlsystems.com

