

CP8-29225040-01

18 to 40 GHz PIN Diode SP8T Switch, Reflective

Description

Model CP8-29225040-01 is a wideband, single pole eight throw, reflective PIN diode RF switch fabricated in AlGaAs monolithic technology and incorporating a TTL compatible driver. Its primary function is to switch signals in the frequency range 18 to 40 GHz from one 50 Ω channel to others. The switch is activated by a TTL signal applied to the control connector.

The SPDT switch is in a compact 1.7" x 1.2" x 0.85" connectorized package, and its excellent isolation, low loss and broadband feature make it a perfect switch of choice for RF engineers.

Features

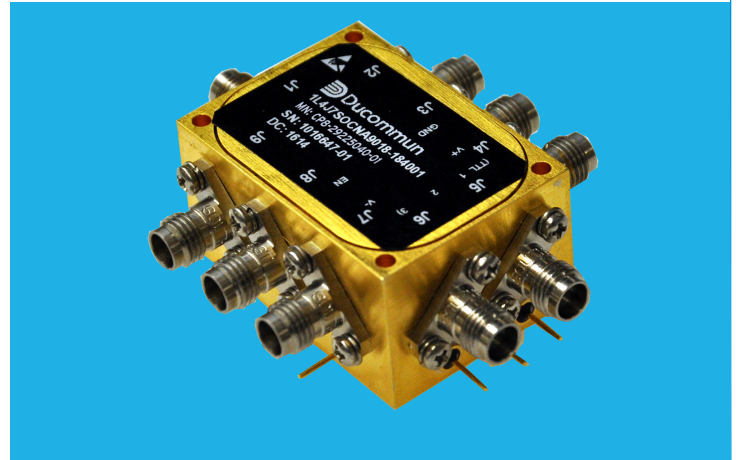
- Low insertion loss/high isolation
- Fast switching
- Complete solid state solution

Applications

- Test instrumentation
- Telecommunication
- Radar front

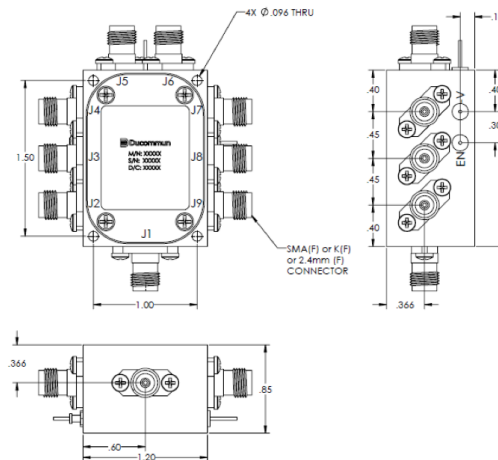
Specifications

Frequency:	18 to 40 GHz
Insertion loss:	3.0 dB goal, 5.0 dB maximum, 18-30 GHz 4.0 dB goal, 6.0 dB maximum, 30-40 GHz
Isolation:	40 dB minimum
Return loss:	10 dB minimum
Switch speed:	200 nS maximum
RF power handling:	+23 dBm CW
Control:	TTL
I/O connectors:	K (F)
Outline:	WT-H-16
Temperature range:	-55 to +85 $^{\circ}$ C
DC bias:	+5V@150 mA, -5V@10mA typical



Outline

Dimensions are in inches



Performance Chart

