**Description**

Model CP4-30206055-A1 is a wideband, single pole four throw, absorptive PIN diode switch fabricated in AlGaAs monolithic technology and incorporating a TTL compatible driver. Its primary function is to switch signals in the frequency range 20 to 40 GHz from one 50 Ω channel to others. The switch is activated by a TTL signal applied to the control connector.

The SP4T switch is in a compact 1.5” x 1.0” x 0.75” connectorized package, and its excellent isolation, low insertion loss, broadband and fast switching features make it a perfect switch of choice for RF engineers.

**Features**

- Low insertion loss/high isolation
- Nanoseconds-fast switching
- Terminated on “OFF”
- Applicable down to 5 GHz

**Applications**

- Test instrumentation
- Telecommunication
- Wireless 5G technology

**Specifications**

- Frequency: 20 to 40 GHz
- Insertion loss: 6.0 dB maximum
- Isolation: 55 dB minimum
- I/O VSWR: 2.0 : 1 typical
- Control: TTL
- I/O connectors: K (F)
- Outline: WT-H-15
- Switching speed: 200 nS maximum
- RF power handling: +23 dBm CW
- Temperature range: -55 to +85 °C
- DC bias: +5.0 VDC/150mA typical
- -12.0 VDC/50mA typical

For more information, contact our sales team at 310.513.7200 or rfsales@ducommun.com | All specifications are subject to change without notice.
Control Logic

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