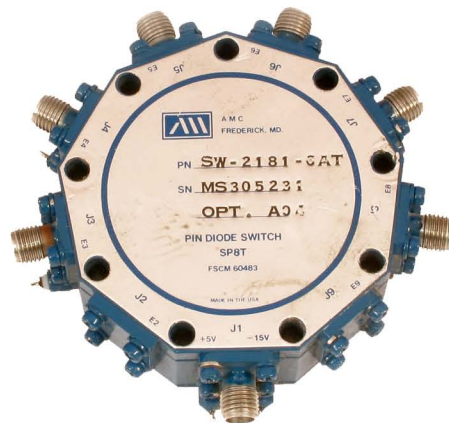


American Microwave Corporation RF Switch

(KC) SW-2181-6AT

AMC Model SW-2181-6AT is an Absorptive Broad Band SP6T Switch Module With Integral TTL Driver, Packaged in a Radial Housing.



Specifications:

- Frequency Range
 - 1 - 20 GHz Minimum
 - 1 - 8 GHz: 2.5 dB Maximum
 - 8 - 18 GHz: 3.5 dB Maximum
 - 18 - 20 GHz: 4.5 dB Maximum
- Insertion Loss
 - 1 - 18 GHz: 65 dB Minimum
 - 18 - 20 GHz: 60 dB Minimum
- Isolation
 - 2:1 Maximum
- VSWR (On/Off)
 - Rise (10% RF To 90% RF): 200 nS Maximum
 - Fall (90% RF To 10% RF): 10 nS Maximum.
 - On (50% CTL To 90% RF): 800 nS Maximum
 - Off (50% CTL To 10% RF): 20 nS Maximum
- Switching Time:
 - +27 dBm Maximum
 - TTL Compatible, Unity Load
- RF Power Ratings
 - 6 Individual Controls
 - Logic "0" = Isolation
 - Logic "1" = Insertion Loss
- Controls
 - + 5 VDC \pm 5% @ 260 mA Maximum
 - 15 VDC \pm 5% @ 70 mA Maximum
- Power Supply
 - RF Input/Output: SMA Female
 - Power: Solder Pin
 - Control: Solder Pin
- Connectors
 - 2.13" Diameter X 0.75" Thick
- Size

Available Options:

- A01 50 Ohm Control Impedance
- A02 100 Ohm Control Impedance
- A03 Inverse Control Logic (Logic "0" Insertion Loss)
- A04 Extended Frequency Range To 100 MHz
- A07 Input/Output Video Filter (0.5 dB Excess Loss)
- A08 SMA Male Connectors
- A10 +12 To +15 VDC Supply
- A12 3 Bit Binary TTL Logic Decoder

Environmental Ratings:

Our standard environmental ratings are as follows, for specific requirements please contact us...

Temperature:	-55 °C to +95 °C Operating
	-65 °C to +125 °C Non-Operating
Humidity:	MIL-STD-202F, Method 103B Cond. B
Shock:	MIL-STD-202F, Method 213B Cond. B
Vibration:	MIL-STD-202F, Method 204D Cond. B
Altitude:	MIL-STD-202F, Method 105C Cond. B
Temperature Cycle:	MIL-STD-202F, Method 107D Cond. A