

**501481**  
**5-IN 8-OUT**  
**DUAL SATELLITE MULTISWITCH**



<b>SATELLITE</b>	
Inputs	13V/0kHz; 18V/0kHz; 13V w/22kHz tone output; 18V w/22kHz tone output
Frequency Response	950 to 2150 MHz
Input & Output Return Loss	8 dB
Insertion Loss/Gain	-2 dB to +6 dB
Max Input (@ -40 dBc IMD)	-23 per transponder (@ -40 dBc IMD) 16 transponder input; Operational at -20 dBm
Third order IMD Products (for two-tone, at -15 dBm output)	-50 max dBc
Input P1dB	0 dBm
Cross-Pol Isolation (same satellite)	28 min
Cross-Sat Isolation (diff satellites)	30 min
Gain Flatness	≤1.0, max @ any 24 MHz band
Polarization Control Voltage from IRD	
a) Sat A LHCP Selection	15.0 to 21.0
b) Sat A RHCP Selection	10.5 to 14.0
c) Sat B LHCP Selection	15.0 to 21.0 VDC, 22 kHz tone, continuous
d) Sat B RHCP Selection	10.5 to 14.0 VDC, 22 kHz tone, continuous
Multiswitch Switching Time	15 ms max
Multiswitch 22 KHz Switching Range	150 - 300 MVp-p
Multiswitch 13V/18V DC Load Capacitance	0.27 μF Max
# of Multiswitch Outputs	8
<b>OFF AIL</b>	
Frequency	54 – 806 MHz
Insertion Loss	-3 dB
Return Loss	8 dB
Input P1dB	0 dBm
<b>DC ADAPTOR</b>	
Input	100-240 VAC V
Output	18.7 VDC / 1000mA
Connectors	Type "F" female
Safety Grounding	Metal Case and Grounding Screw
Operating Temp Range	-34°C to + 60°C
Case	Zinc Die-Cost and Nickel Plated