



S-4016-RT

4 in 16 out Multiswitch with Rack Mount



Items		Specs
Inputs		13V/0kHz ; 18V/0kHz; 13V/with 22kHz tone output; 18V/with 22kHz tone output
Frequency Response	MHz	950 to 1450
Input & Output Return Loss	dB	10 min
Insertion Loss/Gain	dB	-2 to + 5
Max Input (@ -40 dBc IMD)	dBm	-23 per transponder (@ -40 dBc IMD) 16 transponder input; Operational at -20 dBm
Third order IMD Products (for two-tone, at -15 dBm output)	dBc	-50 max
Cross-Pol Isolation (same satellite)	dB	30 min
Cross-Sat Isolation (diff satellites)	dB	35 min
Gain Flatness	dB	? 1.0, max @ any 24 MHz band ? 5.0, max @ 500 MHz band
Bias Current to Multi-sw (each channel, from each IRD)	mA	80 mA
Polarization Control Voltage from IRD a) Sat A LHCP Selection b) Sat A RHCP Selection c) Sat B LHCP Selection d) Sat B RHCP Selection	V	16.75 to 21.0 11.75 to 14.0 16.75 to 21.0 VDC, 22 kHz tone, continuous 11.75 to 14.0 VDC, 22 kHz tone, continuous
Multi-sw LHCP/RHCP Selection Point with all tolerances, temp (Selection point must be unaffected by 22 KHz tone or burst)	VDC	14.3 -14.8
Multi-sw Switching Time	ms	15 max
Multi-sw 22 KHz Switching Range	MVp-p	150 - 300
Multi-sw 13V/18V DC Load Capacitance on each IRD	?F	0.27 Max
22 KHz Signal Characteristics: Frequency	kHz	22 ? 4, Continuous
Duty Cycle	%	50 ? 10
Amplitude	mVpp	650 ? 300
Cut-off Amplitude	mVpp	200
# of Multi-sw Outputs		16
DC Adapter		
Input	V	110 VAC
Output	V/mA	24VDC / 1000mA
Safety Grounding		Metal Case and Stud
Operating Temp Range	°C	-34 to + 60