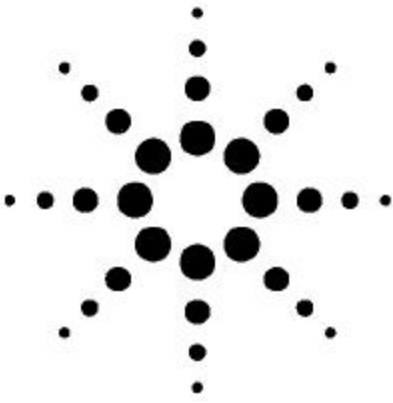


# Agilent N2268A Dual 1x4 RF Multiplexer Module

Data Sheet



## Input Characteristics

Maximum Scan Rate: 20 Chans./ sec  
Maximum Voltage: 30V, DC+AC peak  
Maximum Current: 0.5A, DC+AC peak  
Maximum Power: Per channel 10W  
Characteristic Impedance: 50 Ω

## DC Performance

Thermal Offset: <3μV (<2μV, typ.)  
Initial Closed Channel Resistance: <1 Ω  
Insulation Resistance (between terminals): <40°C, 50% RH) >10<sup>10</sup> Ω

## Capacitance

Center-Center: <0.06pF  
Center-Shield: <20pF  
Rise Time: <150psec  
Signal Delay: <1.5nsec

## AC Performance

Insertion Loss:  
1 GHz <0.9dB  
2 GHz <1.2dB  
2.5 GHz <1.4dB  
3.5 GHz <1.7dB

Crosstalk (Channel-Channel, Channel-Common):

1 GHz: <64dB  
2 GHz: <-64dB  
2.5 GHz: <-50dB  
3.5 GHz: <-50dB

VSWR:

1 GHz: <1.20  
2 GHz: <1.35  
2.5 GHz: <1.35  
3.5 GHz: <1.35

