



# Agilent Technologies 44472A Dual 1x4 VHF Multiplexer

Data Sheet

## Input Characteristics

Maximum Voltage (center-center, center-low):  
250V DC, 30V AC RMS or 42V AC peak;  
(Low-chassis or low-low): 42V DC  
Maximum Current(per chan.): 30mA DC,300mA AC RMS  
Thermal Offset: <15uV  
Characteristic Impedance: 50 Ohm  
Initial Closed Channel Resistance: <1 Ohm  
DC isolation (<40°C, 95% RH): >10<sup>7</sup>Ohm

## AC Isolation/Performance

	<u>30MHz</u>	<u>100MHz</u>	<u>300MHz</u>
Insertion loss	<0.5	<0.75	<1.25
<u>Crosstalk(dB)</u> Within a Group	<-100	<-85	<-85
Group-Group	<-85	<-65	<-50
VSWR	<1.06	<1.12	<1.43
<u>Capacitance:</u>	center-center, center-common <0.002pF		
Center-low	a<70pF		
Low-chassis	<0.20uF		
Rise Time:	<0.7 nsec		
Signal Delay:	<2.5 nsec (channel match <90psec)		