

Ducommun LaBarge Technologies, Inc.
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310.513.7200 or RFSales@ducommun.com
www.ducommun.com

# Ducommun LaBarge Technologies Switch Matrices Questionnaire



#### **SWITCH MATRICES OVERVIEW**

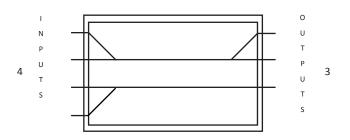
Ducommun RF Products has been actively working with our individual customers to develop unique testing solutions with our Switch Matrices and coaxial switches. Ducommun RF Products has over twenty five years experience with the design and manufacturing of switch matrix systems. Combining together our technical knowledge of both coaxial switches and switching systems, we have been able to assist our customers with a variety of solution that fit their unique requirements.

#### **SWITCH MATRICES SPECIFICATIONS**

What mode of switching is preferred?	Input Power (specify Watts or dBm)
Electro-Mechanical	
Solid State	
Either	Remote Control Type (select all applicable)
	RS-232
Matrix Switch Construction	GPIB
Switches on Inputs & Outputs (Blocking)	Ethernet
Power Dividers on Inputs & Switches on Outputs (Non-Blocking)	USB
Power Dividers on Inputs & Outputs w/1P1T Switches In Between (Super Non-Blocking Type #1)	Other (specify)
Power Dividers on Inputs & Outputs w/ Prog. Attenuators In	Front Panel Control
Between (Super Non-Blocking Type #2)	Yes
Other	No
Number of Inputs	
	Package Type
	19" Rack
Number of Outputs	Bench Mount
	Other
	Front Panel Controls Required
Switching Speed	
	Yes
Type of RF Connectors	No
Input Connector Type	Additional Comments
Output Connector Type	
— Output connector type	
Frequency Range (specify MHz or GHz)	

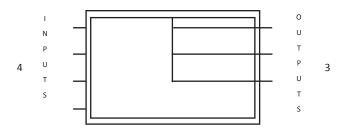


### **BLOCKING MATRIX**



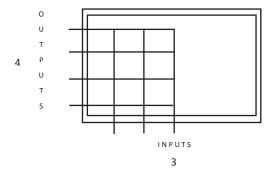
 Can connect any input to any output, but due to the limited internal lines (internal lines < Input/Output ports), a limited number of paths can be connected simultaneously. In this example only 2 Inputs at the time can be routed to Outputs.

### NON BLOCKING FANOUT MATRIX



 Any Input can be connected to one or multiple Outputs simultaneously.

## **NON BLOCKING CROSS BAR**



 Any Input can be connected to any Output at the time, but the number of paths can not exceed the lower number of inputs or outputs. (In this example only 3 paths at the time). (internal paths = lower number of Inputs or Outputs)

#### **CONTACT INFORMATION**

Name		
Email Address		
Office Phone	Mobile Phone	
What is the best way to contact you?		
Company		
Division (if applicable)		
Address	City	
State	Zip Code	
Country		
How did you learn that Ducommun's des	ns and manufactures Switches and Switch Matrices?	