

## MISSION CRITICAL

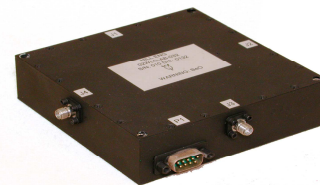
## AB-032 BEAM TRANSFER

### Description

This RF transfer switch simultaneously switches the inputs and outputs. This allows the user the option to configure the system in multiple ways. The switch can be used as a 2P2T transfer switch, or as part of a beam switching network. Other uses include high power switching applications within the 2.7 GHz to 2.9 GHz frequency band.

### Features

- ~ INTERNAL DRIVER
- ~ TTL LOGIC (RS422)
- ~ FAST SWITCHING SPEED
- ~ 1,666w PEAK RF INPUT POWER
- ~ 100W CW
- ~ SMALL PACKAGE SIZE (4"X4")



### Maximum Ratings

Parameter	Symbol	Value	Unit
RF peak power	W	2,000	W
Pulse width		100	µSec
Insertion loss		1.0	dB
Positive DC Voltage		+5	V
Bias DC Voltage		-70	V

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### Electrical Characteristics

Parameter	Min	Typ	Max	Unit
Frequency Range	2.7		2.9	GHz
Insertion loss	0.6	0.8	1.0	dB
Isolation	25	27	28	dB
VSWR (selected)	1.4:1	1.5:1	1.6:1	
VSWR (load)			2:1	
VSWR (source)			1.2:1	
Switching speed			1	µs
Switching rate			50	KHz
TTL logic		RS-422		
Pos voltage	4.8	5.0	5.2	+V
Pos current			1,000	mA
Neg voltage	-66	-70	-74	-V
Neg current			10	mA
Connectors		SMA F		

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