



Micro Communications, Inc.

Microwave A MICROWAVE TECHNIQUES COMPANY

# Series 61000 Coaxial Transfer Switches

## Type N, 7/16DIN, 1-5/8, 3-1/8, 4-1/16, 6-1/8

- Broadband
- TYPE N, 7/16DIN, 7/8EIA, 1-5/8EIA, 3-1/8EIA, 4-1/16, 6-1/8EIA Types Available
- Independent Interlock/Logic Circuits
- Compatible with Computer Control
- Compact, Light Weight



MCI Coaxial Transfer Switches are designed primarily for application in TV, AM, FM, UHF and other broadcast related areas. As four-port transfer switches, they will switch two signal sources between loads. Since they can also be used as SPDT switches, complex-switching matrices can easily be assembled.

A unique feature of these switches is the coplanar port configuration. In most installations, this permits neater, more compact layouts and requires fewer elbows. These switches are usually one-half to one-third the weight and occupy between one-half and one-sixth the volume of other commercially available switches.

Independent interlock/logic circuits are available for transmitter blanking, logic input, or position indication on all but the Type N model. These circuits are isolated from the switch control circuits and from ground. Internal interlocks are also included to remove the drive power at the end of the switching cycle to prevent inadvertent damage to the drive motor.

Action is accomplished by a standard high torque gear motor and is bi-directional to positive stops. In the event of loss of control power, these switches can be operated manually.

Since these switches can be controlled in groups or singly from remote locations, as well as integrated into computer-controlled logic systems, they are ideally suited for use in unattended transmitter operations.

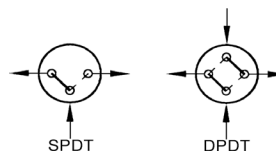
**Optional Features:**  
 Unflanged Connectors  
 Gas Pass, Pressure tight  
 Additional Interlocks

**Standard Features:**  
 Drive: Gear Motor (except N Type)  
 RF Connectors: N(F), DIN(F), EIA(M)  
 Wiring: Connector on all switches

**Accessories:**

Local /Remote Control

Panel( 19" Rack Mount)



<b>4 PORT MODEL:</b>	<b>61101N</b>	<b>61101DIN</b>	<b>61101</b>	<b>61103</b>	<b>61104</b>	<b>61102</b>	<b>61105</b>
<b>3 PORT MODEL:</b>	<b>61301N</b>	<b>61301DIN</b>	<b>61301</b>	<b>61303</b>	<b>61304</b>	<b>61302</b>	<b>61305</b>
<b>CONNECTOR:</b>	Type N(F)	7/16 DIN(F)	7/8EIA Male	1-5/8EIA Male	3-1/8EIA Male	4-1/16 Male	6-1/8EIA Male
<b>SWITCHING SPEED:</b>							
<b>TYPICAL (seconds)</b>	> 0.1	> 0.1	2	2	2	2	2
<b>MAX. (seconds)</b>	> 0.1	> 0.1	3	3	3	3	3
<b>FREQUENCY: MHz</b>	DC-5GHz	DC-5GHz	DC-860	DC-860	DC-806	DC-806	DC-716
<b>IMPEDANCE: Ohms</b>	50	50	50	50	50	50	50
<b>INSERTION LOSS: dB</b>	0.10Max	0.10 Max	0.1	0.1	0.1	0.1	0.1
<b>DRIVE POWER: Model A</b>	12 VDC	12 VDC	120VAC-50/60Hz	120VAC-50/60Hz	120VAC-50/60Hz	120VAC-50/60Hz	120VAC-50/60Hz
<b>CURRENT:</b>	0.40A NOM. 0.15A RUN	0.40 START 0.15A RUN	1.0A START 0.5A RUN	1.0A START 0.5A RUN	1.0A START 0.5A RUN	1.0A START 0.5A RUN	1.0A START 0.5A RUN
<b>DRIVE POWER: Model B</b>	24 VDC	24 VDC	240VAC-50/60Hz	240VAC-50/60Hz	240VAC-50/60Hz	240VAC-50/60Hz	240VAC-50/60Hz
<b>CURRENT:</b>	0.34A NOM. 0.10 RUN	0.34A START 0.10 RUN	0.5A START 0.25A RUN	0.5A START 0.25A RUN	0.5A START 0.25A RUN	0.5A START 0.25A RUN	0.5A START 0.25A RUN
<b>COMMAND CONTROL VOLTAGE</b>	12/24 VDC	12/24 VDC	5, 12 or 24 VDC 120 or 240 VAC	5, 12 or 24 VDC 120 or 240 VAC	5, 12 or 24 VDC 120 or 240 VAC	5, 12 or 24 VDC 120 or 240 VAC	5, 12 or 24 VDC 120 or 240 VAC
<b>4 PORT WEIGHT: lbs</b>	2.7	2.7	12	15	37	60	100
<b>(kg)</b>	1.22	1.22	(6)	(7)	(17)	(27)	(46)
<b>3 PORT WEIGHT: lbs</b>	2.5	2.5	10	13	34	56	95
<b>(kg)</b>	1.13	1.13	(5)	(6)	(16)	(26)	(43)
<b>SIZE: LxWxH in</b>	4.2 x 4.2 x 4.5	4.2 x 4.2x 4.5	7x7x7	8x8x7	20x20x20	24x24x24	24x24x28
<b>(cm)</b>	(10.7x10.7x11.4)	(10.7 x10.7 x 11.4)	(18x18x18)	(20x20x20)	(51x51x51)	(61x61x61)	(61x61x71)



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