



COAXIAL TRANSFER SWITCHES

- Broadband
- $6\frac{1}{8}"$, $4\frac{1}{16}"$, $3\frac{1}{8}"$, $1\frac{5}{8}"$ and $7\frac{1}{8}"$ EIA
- 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.

Each switch incorporates independent interlock/logic circuits for transmitter blanking, logic input, or position indication. 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.

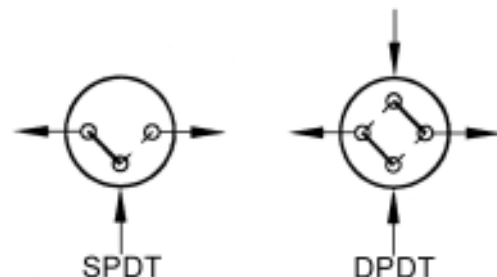
Since these switches can be controlled in groups or singly from remote locations, as well as integrated into computer controlled logic systems, they are ideally suited for use in unattended transmitter operations.



Average Power Rating (kW)
for Single Input Applications *

Freq (Mhz)	7/8	1-5/8	3-1/8	4-1/16	6-1/8
54	4.21	14.2	49.8	79.1	170.0
88	3.29	11.1	39.0	61.9	133.0
108	2.98	10.0	35.2	55.9	120.0
174	2.34	7.93	27.7	44.0	94.8
210	2.13	7.22	25.2	40.1	86.2
470	1.43	4.83	16.9	26.8	57.7
560	1.31	4.30	15.4	24.5	52.8
716	1.16	3.91	13.6	21.7	46.7
860	1.05	3.47	12.2	20.2	n/a

* If switch is used with two inputs (DPDT), combined average power should not exceed 130% of values listed in table.





SERIES 61000
COAXIAL TRANSFER SWITCHES

4 PORT MODEL:	61101	61103	61104	61102	61105
3 PORT MODEL:	61301	61303	61304	61302	61305
CONNECTOR: EIA MALE	7/8	1-5/8	3-1/8	4-1/16	6-1/8
SWITCHING SPEED: TYPICAL (seconds) MAX. (seconds)	2 3	2 3	2 3	2 3	2 3
FREQUENCY: MHz	DC-860	DC-860	DC-860	DC-860	DC-716
IMPEDANCE: Ohms	50	50	50	50	50
INSERTION LOSS: dB	0.1	0.1	0.1	0.1	0.1
DRIVE POWER: Model A	120VAC-50/60Hz	120VAC-50/60Hz	120VAC-50/60Hz	120VAC-50/60Hz	120VAC-50/60Hz
CURRENT:	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
DRIVE POWER: Model B	240VAC-50/60Hz	240VAC-50/60Hz	240VAC-50/60Hz	240VAC-50/60Hz	240VAC-50/60Hz
CURRENT:	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
COMMAND CONTROL VOLTAGE:	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	12 or 24 VDC 120 or 240 VAC	12 or 24 VDC 120 or 240 VAC
4 PORT WEIGHT: lbs (kg)	12 (6)	15 (7)	37 (17)	60 (27)	100 (46)
3 PORT WEIGHT: lbs (kg)	10 (5)	13 (6)	34 (16)	56 (26)	95 (43)
SIZE: LxWxH in (cm)	15x15x15 (38x38x38)	15x15x15 (38x38x38)	20x20x20 (51x51x51)	24x24x24 (61x61x61)	24x24x28 (61x61x71)

All specifications are subject to change without notice.

Isolation (dB)

NOTES:

1. Standard Features:

Drive: Gear Motor
RF Connectors: EIA Male
Wiring: (Connector on all switches)

2. Optional Features:

Unflanged Connectors
Gas Passing, pressure tight
Additional interlocks

3. Accessories:

Local/Remote Control
Panel (19" Rack mount)

Freq (Mhz)	7/8	1-5/8	3-1/8	4-1/16	6-1/8
54	60	60	65	70	80
88	55	55	60	65	75
108	55	55	60	65	75
174	50	48	58	60	75
210	50	48	58	60	75
470	40	40	50	55	60
560	38	38	45	55	55
716	36	36	45	50	50
860	35	35	40	45	n/a



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