

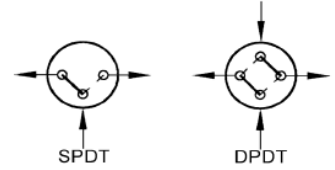
# Series 61000 Broadcast RF Switches



- Broadband
- Available sizes: Type N, 7/16 DIN, 7/8 EIA, 1-5/8 EIA, 3-1/8 EIA, 4-1/16, 6-1/8 EIA
- Independent Interlock / Logic Circuits
- Compatible with Computer Control
- 3-Port and 4-Port Options Available
- Compact, Light Weight



- 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)

Mega Industries Coaxial Transfer Switches are designed primarily for application in TV, AM, FM, UHF and other broadcast related areas. Mega acquired the Broadcast RF Switch line (formerly of Micro Communications Inc.) in 2014. 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 the 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 (1) groups, (2) singly from remote locations, or (3) integrated computer controlled logic systems, they are ideally suited for use in unattended transmitter operations.

4-PORT MODEL	61101N	61101DIN	61101	61103	61104	61102	61105
3-PORT MODEL	61301N	61301DIN	61301	61303	61304	61302	61305
CONNECTOR	TYPE N (F)	7/16 DIN (F)	7/8 EIA Male	1-5/8 EIA Male	3-1/8 EIA Male	4-1/16 Male	6-1/8 EIA Male
SWITCHING SPEED: TYPICAL (seconds)	> 0.1	> 0.1	2	2	2	2	2
MAX (seconds)	> 0.1	> 0.1	3	3	3	3	3
FREQUENCY (MHz)	DC-5GHz	DC-5GHz	DC-860	DC-860	DC-806	DC-806	DC-716
IMPEDANCE (Ohms)	50	50	50	50	50	50	50
INSERTION LOSS (dB)	0.10 MAX	0.10 MAX	0.1	0.1	0.1	0.1	0.1
DRIVE POWER: Model A	12 VDC	12 VDC	120VAC-50/60Hz	120VAC-50/60Hz	120VAC-50/60Hz	120VAC-50/60Hz	120VAC-50/60Hz
CURRENT	0.40A NOM. 0.15A RUN	0.40A 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
DRIVE POWER: Model B	24 VDC	24 VDC	240VAC-50/60Hz	240VAC-50/60Hz	240VAC-50/60Hz	240VAC-50/60Hz	240VAC-50/60Hz
CURRENT	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
COMMAND CONTROL VOLTAGE	12/24 VDC	12/24 VDC	5,12 OR 24 VDC 120 or 240 VDC	5,12 OR 24 VDC 120 or 240 VDC	5,12 OR 24 VDC 120 or 240 VDC	5,12 OR 24 VDC 120 or 240 VDC	5,12 OR 24 VDC 120 or 240 VDC
4-PORT WEIGHT	2.7 lbs. (1.22 kg)	2.7 lbs. (1.22 kg)	12 lbs. (6 kg)	15 lbs. (7 kg)	37 lbs. (17 kg)	60 lbs. (27 kg)	100 lbs. (46 kg)
3-PORT WEIGHT	2.5 lbs. (1.13 kg)	2.5 lbs. (1.13 kg)	10 lbs. (5 kg)	13 lbs. (6 kg)	34 lbs. (16 kg)	56 lbs. (26 kg)	95 lbs. (43 kg)
SIZE (L x W x H) in. (cm.)	4.2 x 4.2 x 4.5 (10.7 x 10.7 x 11.4)	4.2 x 4.2 x 4.5 (10.7 x 10.7 x 11.4)	7 x 7 x 7 (18 x 18 x 18)	8 x 8 x 7 (20 x 20 x 20)	20 x 20 x 20 (51 x 51 x 51)	24 x 24 x 24 (61 x 61 x 61)	24 x 24 x 28 (61 x 61 x 71)