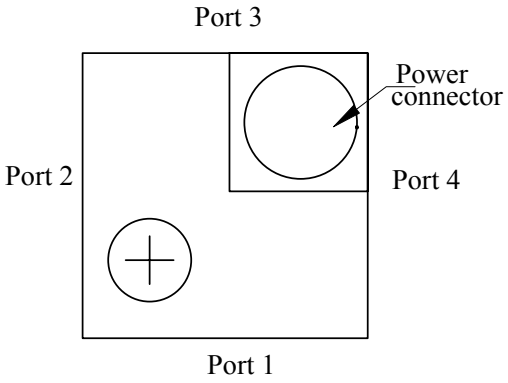
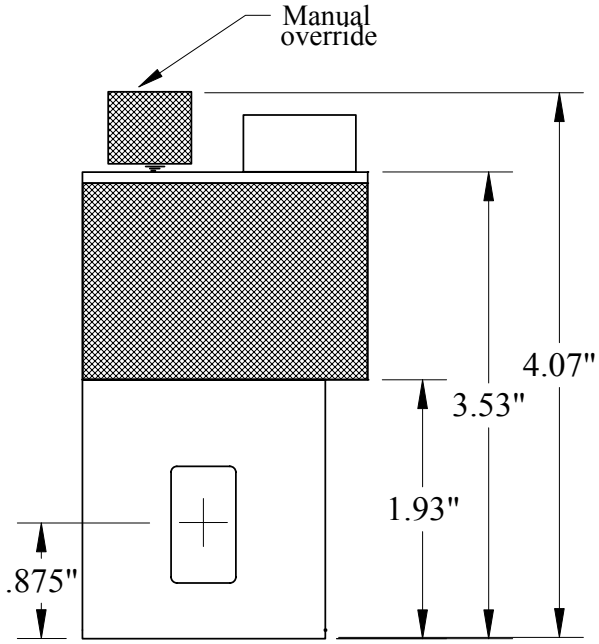
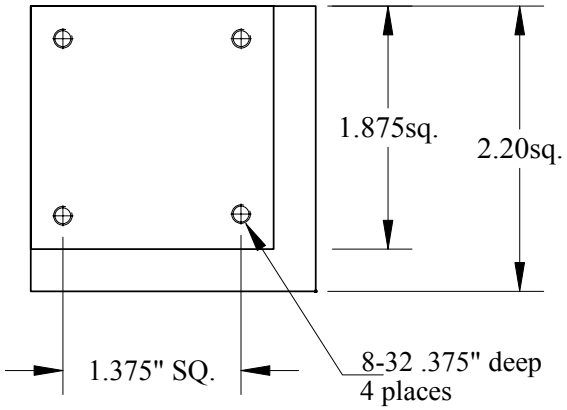
ADVANCED SWITCH TECHNOLOGY
WR75 SWITCH







ELECTRICAL SPECIFICATIONS

Operating frequency	: 10.0 - 15.0 Ghz
Return loss	: -28 db typ.
Isolation	: 70 db typ.
Insertion loss	: .05 db max.
Power handling	: 5 Kw CW
Driving voltage	: Optional
C form contacts	: 4 in standard units
Inhibit contacts	: Optional , will open before VSWR exceeds 1.3:1
Switching time	: 80 msec max.
Power connector	: ITT KPTO2614-19P Mating connector provided

MECHANICAL SPECIFICATIONS

Waveguide size	: WR75
Flange type	: Optional
Pressure capability	: 20 PSIG including driving head
Material	: 80 % Aluminum
Finish	: Iridite on wg and flanges Black anodize on driving head
Weight	: .500 Kg

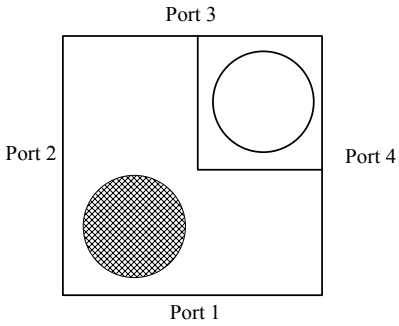
ENVIRONMENTAL SPECIFICATIONS

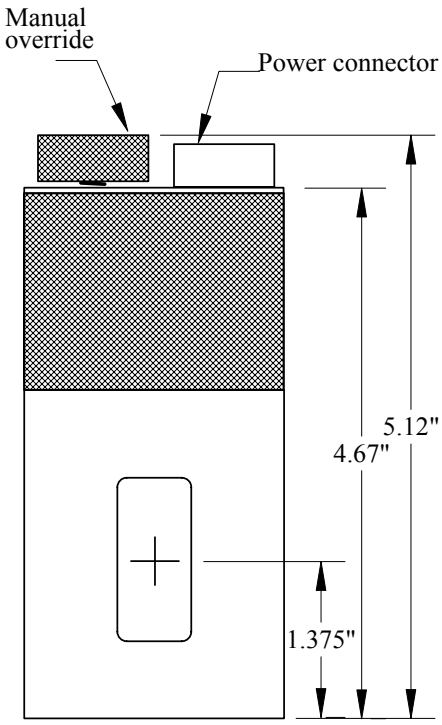
Operating temperature	: -40 to +75 Deg.C
Non oper. temperature	: -50 to +100 Deg.C
Humidity	: 100 %
Shock and vibrations	: As encountered in standard transportation

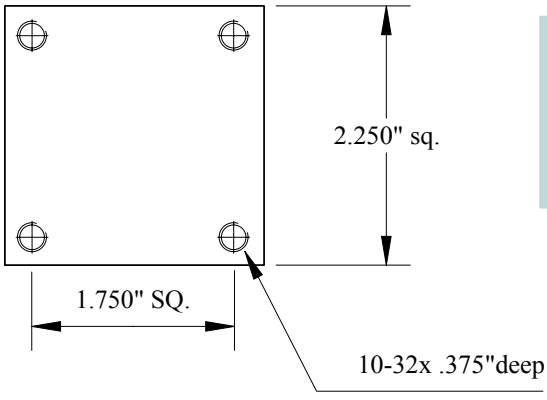
MODEL No : AST75

Notice: This catalogue covers the most common devices. Many other configurations are available. Please inquire.

ADVANCED SWITCH TECHNOLOGY
WR137 SWITCH







ELECTRICAL SPECIFICATIONS

Frequency range	: 5.85-8.2 GHZ
Return loss	: -30 db
Isolation	: 70 db typ.
Insertion loss	: .05 db Max.
Power handling	: 6 Kw CW
Driving voltage	: OPTIONAL
C form contacts	: 4 in standard unit
Switching time	: 80 msec
Power connector	: ITT KPTO2614-19P Mating connector provided

MECHANICAL SPECIFICATIONS

Waveguide size	: WR137
Pressure capability	: 20 PSIG including driving head
Finish:	: Iridite on wg. and flanges Black anodize on driving head
Weight	: .750 Kg

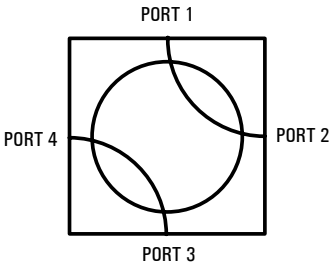
ENVIRONMENTAL SPECIFICATIONS

Operating temperature	: -40 to +75 Deg.C
Non oper. temperature	: -50 to +100 Deg.C
Humidity	: 100 %
Shock and vibration	: As encountered in standard transportation

MODEL No : AST137

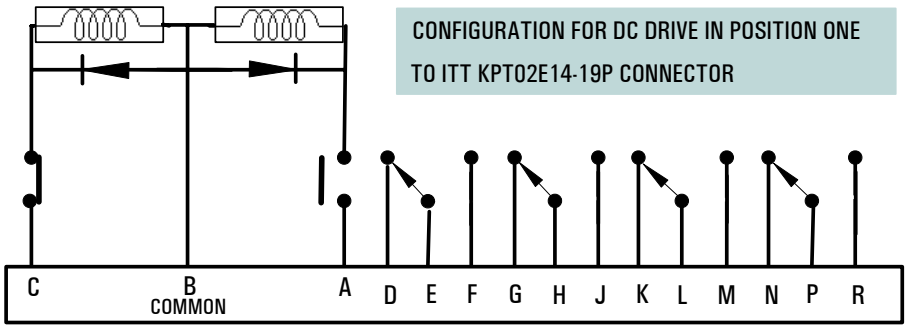
Notice: This catalogue covers the most common devices. Many other configurations are available. Please inquire.

ELECTRICAL ARRANGEMENT OF THE STANDARD SWITCH DRIVER

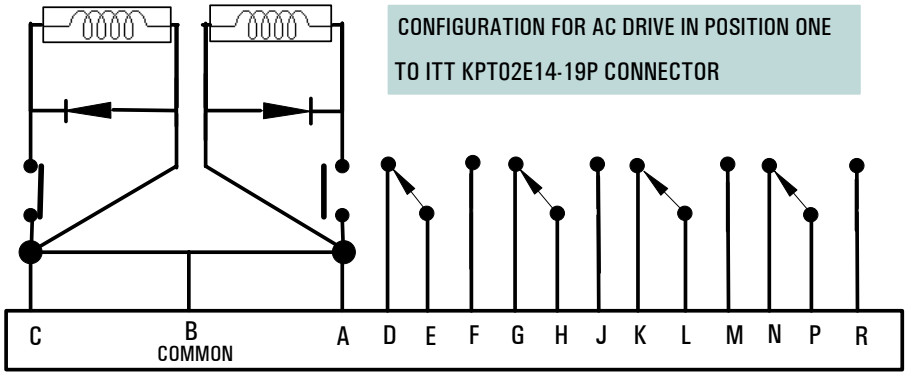


POSITION 1 OF THE RF PORTS

CONFIGURATION FOR DC DRIVE IN POSITION ONE TO ITT KPT02E14-19P CONNECTOR



CONFIGURATION FOR AC DRIVE IN POSITION ONE TO ITT KPT02E14-19P CONNECTOR



Note 1: Some or all of the C-form contacts can be replaced by inhibit contacts.

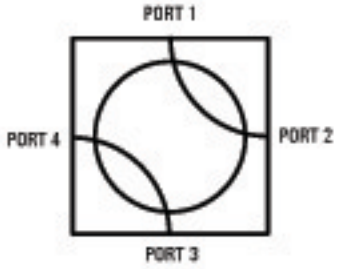
Note 2: Other connectors are available ranging between 6 pins and 19 pins.

Note 3: 115 VAC and 220VAC drivers are standard .

MAX. CURRENT/VOLTAGES TO OPERATE AST SWITCHES			
WG SIZE	+- 12V	+- 24V	+- 48V
WR 229	6.0 AMPS	3.0 AMPS	1.5AMPS
WR 187	5.0 AMPS	2.2 AMPS	1.2 AMPS
WR 159	4.0 AMPS	2.0 AMPS	1.1 AMPS
WR 137/112	3.0 AMPS	1.5 AMPS	.8 AMPS
WR 90 AND SMALLER INCL. ALL COAXIAL	2.9 AMPS	1.4 AMPS	.75 AMPS

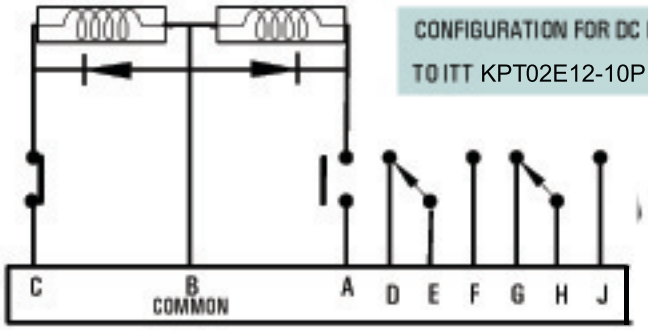
Notice: This catalogue covers the most common devices . Many other configurations are available . Please inquire.

ELECTRICAL ARRANGEMENT OF THE STANDARD SWITCH DRIVER

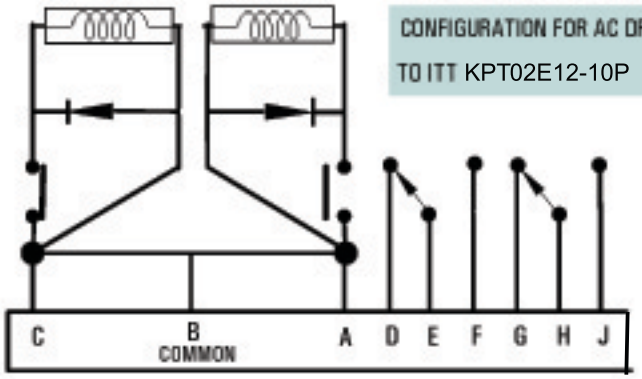


POSITION 1 OF THE RF PORTS

CONFIGURATION FOR DC DRIVE IN POSITION ONE TO ITT KPT02E12-10P



CONFIGURATION FOR AC DRIVE IN POSITION ONE TO ITT KPT02E12-10P



Note 1: Some or all of the C-form contacts can be replaced by inhibit contacts.

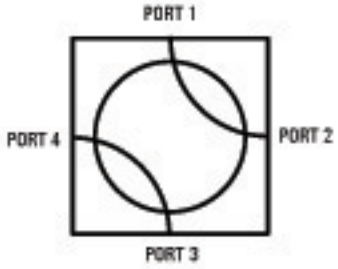
Note 2: Other connectors are available ranging between 6 pins and 19 pins.

Note 3: 115 VAC and 220VAC drivers are standard .

MAX. CURRENT/VOLTAGES TO OPERATE AST SWITCHES			
WG SIZE	+- 12V	+- 24V	+- 48V
WR 229	6.0 AMPS	3.0 AMPS	1.5AMPS
WR 187	5.0 AMPS	2.2 AMPS	1.2 AMPS
WR 159	4.0 AMPS	2.0 AMPS	1.1 AMPS
WR 137/112	3.0 AMPS	1.5 AMPS	.8 AMPS
WR 90 AND SMALLER INCL. ALL COAXIAL	2.9 AMPS	1.4 AMPS	.75 AMPS

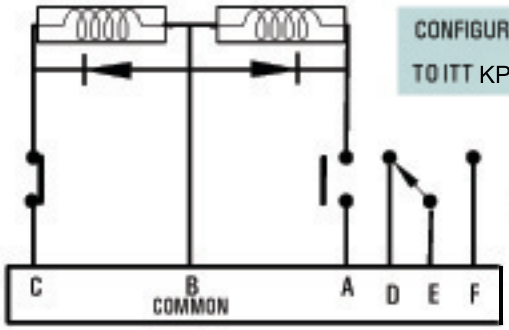
Notice: This catalogue covers the most common devices . Many other configurations are available . Please inquire.

ELECTRICAL ARRANGEMENT OF THE STANDARD SWITCH DRIVER

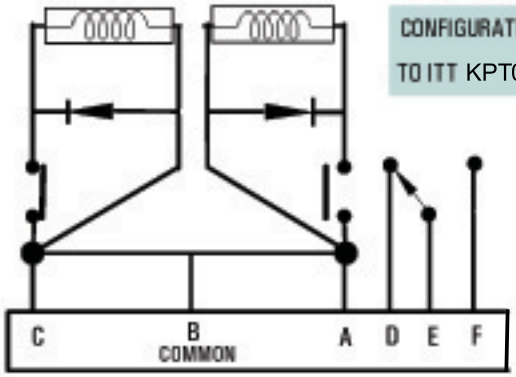


POSITION 1 OF THE RF PORTS

CONFIGURATION FOR DC DRIVE IN POSITION ONE TO ITT KPT02E10-6P



CONFIGURATION FOR AC DRIVE IN POSITION ONE TO ITT KPT02E10-6P



Note 1: Some or all of the C-form contacts can be replaced by inhibit contacts.

Note 2: Other connectors are available ranging between 6 pins and 19 pins.

Note 3: 115 VAC and 220VAC drivers are standard .

MAX. CURRENT/VOLTAGES TO OPERATE AST SWITCHES			
WG SIZE	+- 12V	+- 24V	+- 48V
WR 229	6.0 AMPS	3.0 AMPS	1.5AMPS
WR 187	5.0 AMPS	2.2 AMPS	1.2 AMPS
WR 159	4.0 AMPS	2.0 AMPS	1.1 AMPS
WR 137/112	3.0 AMPS	1.5 AMPS	.8 AMPS
WR 90 AND SMALLER INCL. ALL COAXIAL	2.9 AMPS	1.4 AMPS	.75 AMPS

Notice: This catalogue covers the most common devices . Many other configurations are available . Please inquire.