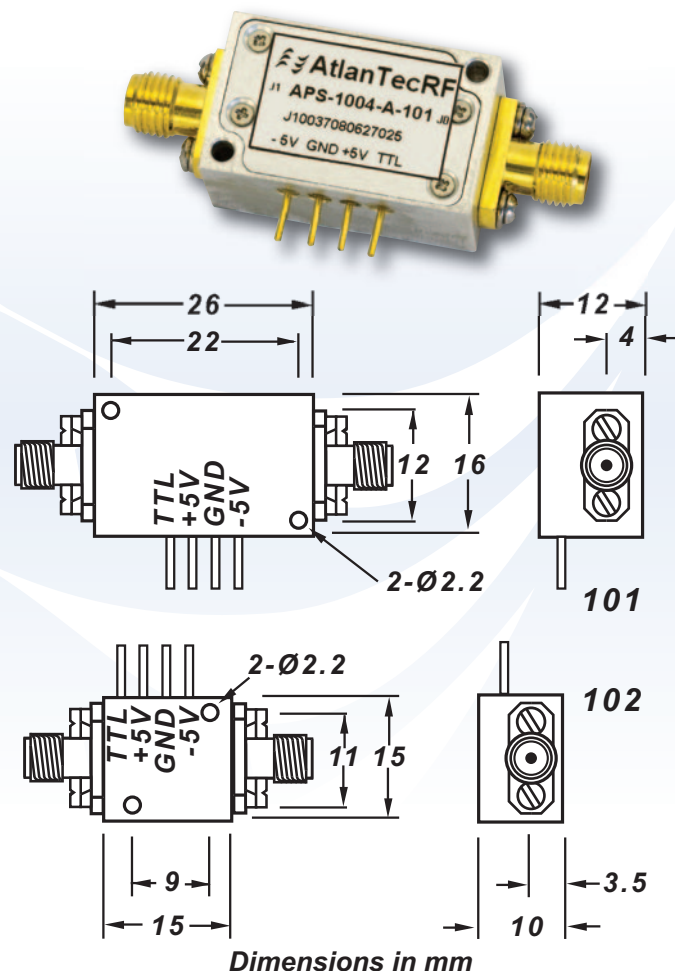


PIN Diode Switches – SPST

- 0.02 – 18 GHz
- Single Pole Single Throw
- TTL Control
- Absorptive & Reflective
- Octave & Multi-octave
- High Isolation
- Low Insertion Loss

General Specifications	
Impedance	50 ohms
DC Bias	+5 +/-0.5V @ 30mA -5 +/-0.5V @ 30mA
Control	TTL "0" Low Loss TTL "1" Isolation
RF Connectors	SMA female to MIL-C-39012
Bias & Control	Solder Pins
Housing	Gold Plated Brass Standard or Passivated Aluminium Optional
Lid Sealing	Epoxy
Operating Temperature Range	-55 C to +85 C
Custom Options	Higher power, faster speed, higher isolation, non-TTL



Absorptive Switches

Model No	Frequency Range	Insertion Loss (dB)	VSWR	Isolation (dB)	Switching speed (nsec)	RF Power (W CW)	Package Choice
APS-1001-A	0.02 GHz - 0.5 GHz	1.4	1.5	80	100 - 500	0.2 - 1	101 / 102
APS-1002-A	0.02 GHz - 3 GHz	2.4	2.0	60	200	0.2	101 / 102
APS-1003-A	0.5 GHz - 1 GHz	1.5	1.5	80	100	0.2	101 / 102
APS-1004-A	1 GHz - 2 GHz	1.0	1.5	80	50	0.2	101 / 102
APS-1005-A	2 GHz - 4 GHz	1.6	1.5	80	50	0.2	101 / 102
APS-1006-A	2 GHz - 18 GHz	3.1	2.2	60	50	0.2	101 / 102
APS-1008-A	4 GHz - 8 GHz	2.0	1.6	60	50	0.2	101 / 102
APS-1009-A	8 GHz - 12 GHz	2.5	1.5	60	50	0.2 - 2	101 / 102
APS-1010-A	12 GHz - 18 GHz	3.2	2.0	60	50	0.2	101 / 102

Reflective Switches

Model No	Frequency Range	Insertion Loss (dB)	VSWR	Isolation (dB)	Switching speed (nsec)	RF Power (W CW)	Package Choice
APS-1001-R	0.02 GHz - 0.5 GHz	1.2	1.5	80	100 - 500	0.2 - 1	101 / 102
APS-1002-R	0.02 GHz - 3 GHz	2.2	2.0	60	200	0.2	101 / 102
APS-1003-R	0.5 GHz - 1 GHz	1.3	1.5	80	100	0.2	101 / 102
APS-1004-R	1 GHz - 2 GHz	0.8	1.5	80	50	0.2	101 / 102
APS-1005-R	2 GHz - 4 GHz	1.2	1.5	80	50	0.2	101 / 102
APS-1006-R	2 GHz - 18 GHz	2.2	2.2	55	50	0.2 - 1	101 / 102
APS-1007-R	2 GHz - 18 GHz	2.4	2.2	80	50	0.2 - 1	101 / 102
APS-1008-R	4 GHz - 8 GHz	1.5	1.6	60	50	0.2	101 / 102
APS-1009-R	8 GHz - 12 GHz	1.8	1.7	60	50	0.2	101 / 102
APS-1010-R	12 GHz - 18 GHz	2.2	2.0	60	50	0.2	101 / 102

Specifications listed in the table are typical across the whole frequency range of each model.

Max./min. specifications over any specific frequency range may differ and could be significantly better over narrow bands.

For a guaranteed specification over your desired frequency range, together with a detailed mechanical outline, please contact the factory.

We reserve the right to change standard product specifications without notice but will be pleased to consider control drawings for quotation.

Control Components

Tel. +44 (0) 1376 550220 Fax. +44 (0) 1376 552145 Email: sales@atlantecrf.com www.atlantecrf.com
40A Springwood Drive, Braintree, Essex CM7 2YN, England

