

Switches - SPST

Pin-Diode Non-Reflective and Reflective Switches - Single Pole Single Throw

The CMIK1 series of reflective and non-reflective single pole, single throw pin-diode switches span the frequency range of 20MHz to 18GHz. The switches are available in a wide variety of standard frequency ranges from cost effective narrowband and high performance broadband. Each switch incorporates a TTL-compatible driver for convenient system integration and operates from +5V and -5 to -15 DC power supplies. Standard screened devices incorporate epoxy sealed lids and undergo a stringent yet cost effective screening cycle.

Applications:

- **EW Systems**
- **Communications Systems**
- **Antenna Selectors**
- **Test Equipment**
- **Electronic Simulators**
- **Filter Selectors**



Ordering Information:

- **Delivery:** Stock to eight weeks
- **Additional options:** Switches can be modified for custom applications. Contact the factory to discuss specific requirements.

CALL OUR SALES DEPARTMENT FOR MORE INFORMATION OR VARIATIONS OF THIS PRODUCT.

Corry Micronics, Inc. One Plastics Rd. - Corry, PA 16407
(814) 664-7728 Fax (814) 664-4582 www.cormic.com

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Non Reflective Switches							
Part Number	Frequency Range	Insertion Loss (dB max)	VSWR (max)	Isolation (dB min)	SWSP (nsec) (max)	RF Power (WCW) (max)	Package
CMIK1-A24-111	0.02 GHz – 0.5 GHz	1.4	1.5	80	100	1.0	W101,W102
CMIK1-B24-111	0.5 GHz - 1 GHz	1.5	1.5	80	100	1.0	W101,W102
CMIK1-C24-111	1 GHz - 2GHz	1.0	1.5	80	50	1.0	W101,W102
CMIK1-D24-111	2 GHz - 4GHz	1.6	1.5	80	50	1.0	W101,W102
CMIK1-E23-111	4 GHz - 8GHz	2.0	1.6	60	50	1.0	W101,W102
CMIK1-F23-111	8GHz - 12 GHz	2.5	1.5	60	50	0.5	W101,W102
CMIK1-G23-111	1 2GHz - 18 GHz	3.2	2.0	60	50	0.5	W101,W102
CMIK1-123-111	0.02 GHz - 3GHz	2.4	2.0	60	200	1.0	W101,W102
CMIK1-223-111	2 GHz - 18GHz	3.1	2.2	60	50	1.0	W101,W102

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Reflective Switches							
Part Number	Frequency Range	Insertion Loss (dB max)	VSWR (max)	Isolation (dB min)	SWSP (nsec) (max)	RF Power (WCW) (max)	Package
CMIK1-A14-111	0.02 GHz – 0.5 GHz	1.2	1.5	80	100	1.0	W101,W102
CMIK1-B14-111	0.5 GHz - 1 GHz	1.3	1.5	80	100	1.0	W101,W102
CMIK1-C14-111	1 GHz - 2GHz	0.8	1.5	80	50	1.0	W101.W102
CMIK1-D14-111	2 GHz - 4GHz	1.2	1.5	80	50	1.0	W101.W102
CMIK1-E14-111	4 GHz - 8GHz	1.5	1.6	60	50	1.0	W101.W102
CMIK1-F13-111	8GHz - 12 GHz	1.8	1.7	60	50	1.0	W101.W102
CMIK1-G13-111 2	12GHz - 18 GHz	2.2	2.0	60	50	0.5	W101.W10
CMIK1-113-111	0.02 GHz - 3GHz	2.2	2.0	60	200	1.0	W101.W102
CMIK1-213-111	2 GHz - 18GHz	2.2	2.2	55	50	1.0	W101.W102
CMIK1-214-111	2 GHz - 18GHz	2.4	2.2	80	50	1.0	W101.W102

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ELECTRICAL NOTES	MECHANICAL SPECIFICATIONS
DC Bias: +5.0 +/- 0.5V 30mA max. -5.0 +/- .5V @ 30mA max.	Case Style: Outline W101,W102
Control: TTL Logic 0: Low Loss TTL Logic 1: Isolation	Finish: gold plating for brass material *
Power Handling 1 Watt	Connectors: SMA female per MIL-C-39012
	Bias and Control: 0.020"dia x 0.15"long solder pins
	Weight:
	Mounting: (4) 0.100" dia through holes.

* Passivation for aluminum material.

Other finish is available according to the customer's requirements.

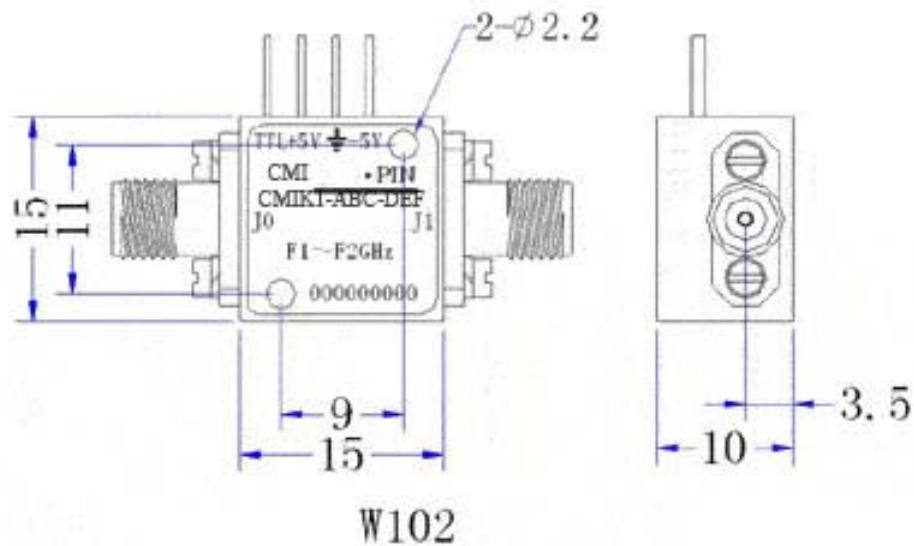
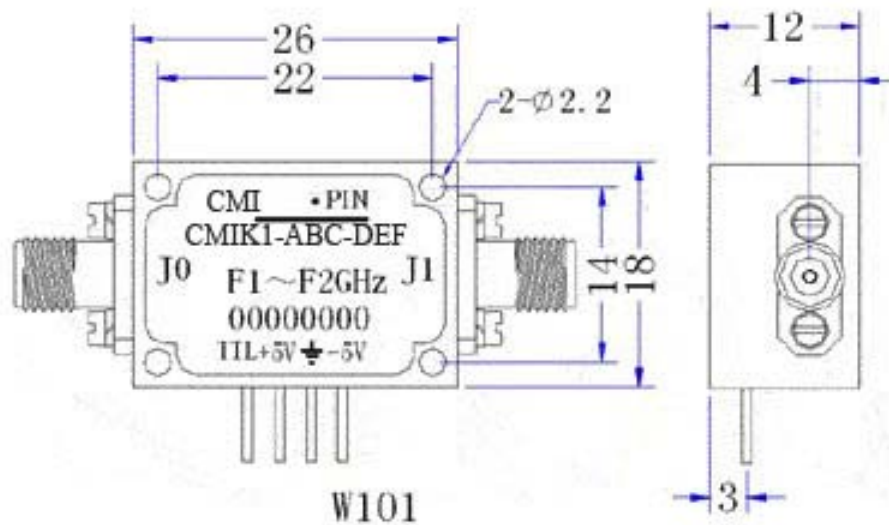
Note:

For faster speed, other power supply and controls, higher power handling and isolation, non driven; please contact the factory to discuss your requirements.

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