

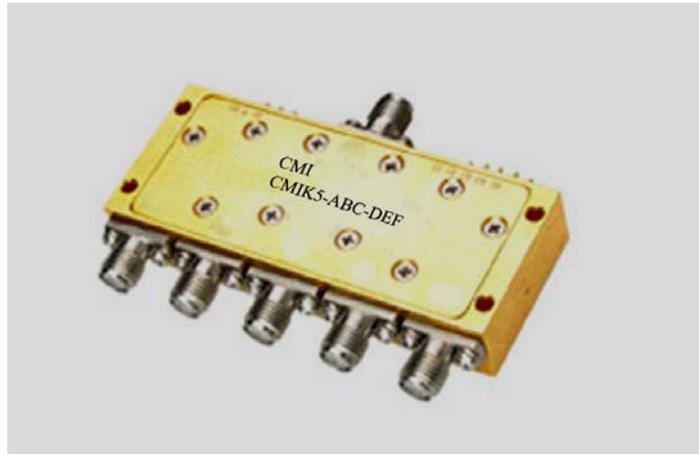
### **SP5T**

#### **Pin-Diode Non-Reflective and Reflective Switches - Single Pole Five Throw**

The CMIK5 series of reflective and non-reflective single pole, five 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 to high performance broadband. Each switch incorporates a TTL-compatible driver with discrete logic inputs 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](http://www.cormic.com)**

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<b>Non-Reflective Switches</b>							
<b>Part Number</b>	<b>Frequency Range</b>	<b>Insertion Loss(dB max)</b>	<b>VSWR (max)</b>	<b>Isolation(dB min)</b>	<b>SWSP (nsec) (max)</b>	<b>RF Power (WCW) (max)</b>	<b>Package</b>
CMIK5-A24-111	0.02 GHz – 0.5 GHz	1.6	1.5	80	100	1.0	W501,W502
CMIK5-B24-111	0.5 GHz - 1 GHz	1.7	1.5	80	100	1.0	W501,W502
CMIK5-C24-111	1 GHz - 2GHz	1.5	1.5	80	50	1.0	W501,W502
CMIK5-D24-111	2 GHz - 4GHz	1.9	1.5	80	50	1.0	W501,W502
CMIK5-E23-111	4 GHz - 8GHz	2.3	1.7	60	50	1.0	W501,W502
CMIK5-F23-111	8GHz - 12 GHz	2.9	1.5	60	50	0.5	W501,W502
CMIK5-G23-111	1 2GHz - 18 GHz	3.5	2.0	60	50	0.5	W501,W502
CMIK5-123-111	0.02 GHz - 3GHz	2.8	2.0	60	200	1.0	W501,W502
CMIK5-223-111	2 GHz - 18GHz	3.6	2.2	60	50	1.0	W501,W502

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<b>Reflective Switches</b>							
<b>Part Number</b>	<b>Frequency Range</b>	<b>Insertion Loss(dB max)</b>	<b>VSWR (max)</b>	<b>Isolation(dB min)</b>	<b>SWSP (nsec) (max)</b>	<b>RF Power (WCW) (max)</b>	<b>Package</b>
CMIK5-A24-111	0.02 GHz – 0.5 GHz	1.5	1.5	80	100	1.0	W501,W502
CMIK5-B24-111	0.5 GHz - 1 GHz	1.6	1.5	80	100	1.0	W501,W502
CMIK5-C24-111	1 GHz - 2GHz	1.3	1.5	80	50	1.0	W501,W502
CMIK5-D24-111	2 GHz - 4GHz	1.5	1.5	80	50	1.0	W501,W502
CMIK5-E23-111	4 GHz - 8GHz	1.8	1.7	60	50	1.0	W501,W502
CMIK5-F23-111	8GHz - 12 GHz	2.1	1.5	60	50	0.5	W501,W502
CMIK5-G23-111	12GHz - 18 GHz	2.9	2.0	60	50	0.5	W501,W502
CMIK5-123-111	0.02 GHz - 3GHz	2.6	2.0	60	200	1.0	W501,W502
CMIK5-223-111	2 GHz - 18GHz	2.8	2.2	60	50	1.0	W501,W502
CMIK5-214-111	2 GHz - 18GHz	3.0	2.2	80	50	1.0	W501,W502

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<b>ELECTRICAL NOTES</b>	<b>MECHANICAL SPECIFICATIONS</b>
<b>DC Bias:</b> +5.0 +/- 0.5V @ 200mA max. -5.0 +/- .5V @ 50mA max.	<b>Case Style:</b> Outline W603,W602(Standard)
<b>Control:</b> TTL Logic 0: Low Loss TTL Logic 1: Isolation C1 Controls J1 – J0 C2 Controls J2 – J0 C3 Controls J3 – J0 C4 Controls J4 – J0	<b>Finish:</b> gold plating for brass material *  <b>Connectors:</b> SMA female per MIL-C-39012
<b>Power Handling:</b> 1 watt	<b>Bias and Control:</b> 0.020" dia x 0.15" long solder pins  <b>Weight:</b> <b>Mounting:</b> (4) 2.2 mm dia through holes

\*Passivation for aluminum material.

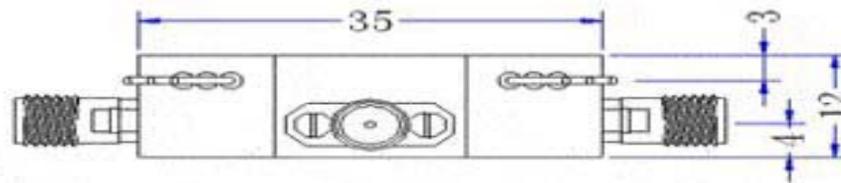
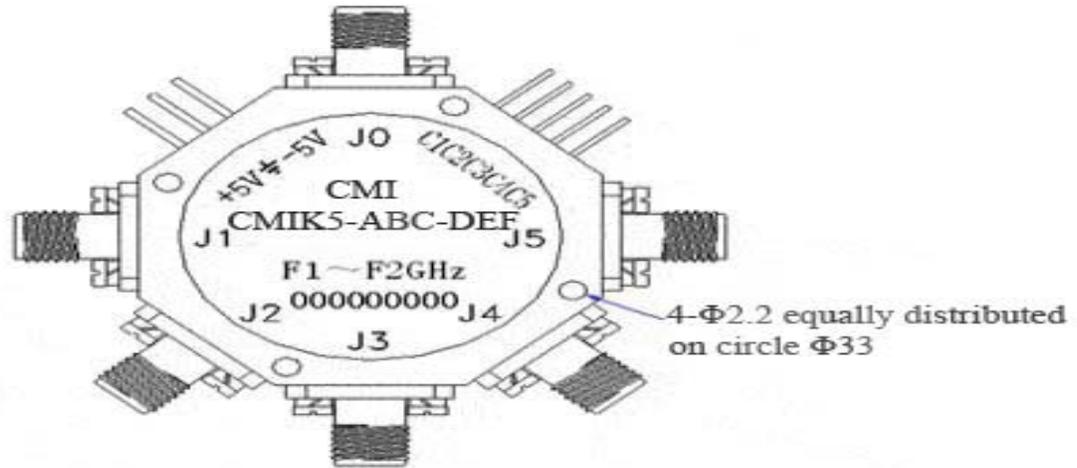
Other finish is available according to the customer's requirements.

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

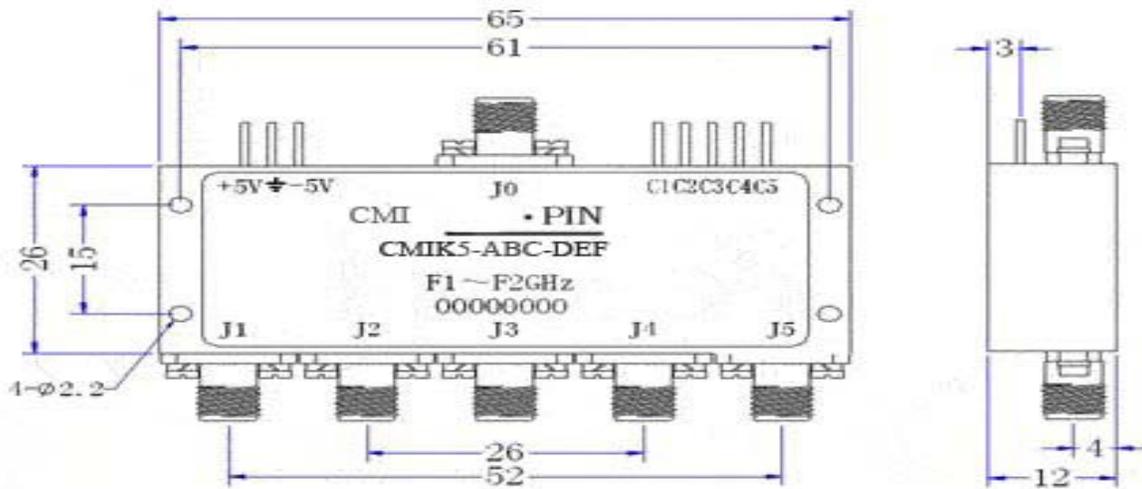
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W501



W502

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