

## DC Pass, High Power Bi-Directional Coupler

### SYBD-ED12762/1A

#### Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.



Please click "Back", and then click "Contact Us" for Applications support.

CASE STYLE : JB1233

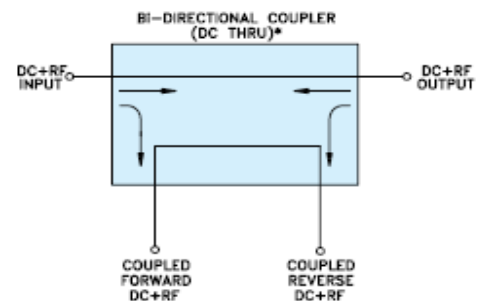
| ELECTRICAL SPECIFICATIONS 50Ω @ +25°C |               |      |        |      |       |
|---------------------------------------|---------------|------|--------|------|-------|
| Parameter                             |               | Min. | Typ.   | Max. | Units |
| Frequency                             |               | 2700 |        | 6000 | MHz   |
| Coupling                              | Nominal       |      | 11±0.8 |      | dB    |
|                                       | Flatness      |      | ± 1.8  |      | dB    |
| Mainline Loss **                      | 2700-6000 MHz |      | 0.60   |      | dB    |
| Directivity                           | 2700-6000 MHz |      | 20     |      | dB    |
| VSWR                                  | 2700-6000 MHz |      | 1.20   |      | (:1)  |
| RF Power Input                        | 2700-3600 MHz |      |        | 25   | W     |
|                                       | 3600-6000 MHz |      |        | 20   |       |

Note: \*\* Mainline loss includes theoretical coupled power loss of 0.3594dB at 11dB coupling.

| MAXIMUM RATINGS       |                |
|-----------------------|----------------|
| Operating Temperature | -40°C to 85°C  |
| Storage Temperature   | -55°C to 100°C |
| DC Current            | 2A             |

| PIN CONNECTIONS |   |
|-----------------|---|
| INPUT           | 1 |
| OUTPUT          | 2 |
| COUPLED FORWARD | 4 |
| COUPLED REVERSE | 3 |
| GROUND          | 5 |

#### Electrical Schematic



\* ELECTRICAL SCHEMATIC IS FOR BI-DIRECTIONAL COUPLER WITHOUT INTERNAL TRANSFORMERS AND RESISTORS.