

**SPECIFICATION SHEET**

**JFW MODEL 50C-045-XX**

**BI-DIRECTIONAL RESISTIVE COUPLER**

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|                             |                                                                                              |
|-----------------------------|----------------------------------------------------------------------------------------------|
| Frequency Range             | DC-6 GHz                                                                                     |
| Impedance                   | 50 Ohms nominal                                                                              |
| Coupling Value              | 25 dB                                                                                        |
| VSWR                        | IN/OUT Ports 1.35:1 maximum<br>1.25:1 typical                                                |
|                             | Coupled Port 1.5:1 maximum<br>1.3:1 typical                                                  |
| Insertion Loss              | 1.0 dB maximum<br>0.53 dB typical @ DC<br>0.62 dB typical @ 2 GHz<br>0.74 dB typical @ 6 GHz |
| Coupling Flatness           | ± 1.5 dB DC-2 GHz<br>± 1.0 dB 2-6 GHz                                                        |
| Coupling Tracking           | ± 0.3 dB maximum<br>± 0.1 dB typical                                                         |
| RF Input Power              | 1 Watt average                                                                               |
| RF Connector                | SMA                                                                                          |
| Operating Temperature Range | -40°C to +85°C                                                                               |
| Physical Size               | See outline drawing 092-6392                                                                 |

| ECR/ECN # | DATE       | REV | APPR / DATE    | ECR/ECN # | DATE | REV | APPR / DATE |
|-----------|------------|-----|----------------|-----------|------|-----|-------------|
|           | 12/01/2009 |     | TRS 12/01/2009 |           |      |     |             |
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