

**SPECIFICATION SHEET**

**JFW MODEL 50PD-838**

**8 WAY REACTIVE POWER DIVIDER/COMBINER**

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|                                      |  |
|--------------------------------------|--|
| Frequency Range                      | 400-6000 MHz   |
| Impedance                            | 50 Ohms nominal  |
| VSWR                                 | 1.75:1 maximum<br>1.6:1 typical (divider port)<br>1.4:1 typical (combiner ports)                                       |
| Insertion Loss<br>(above 9 dB split) | 3.5 dB maximum<br>0.9 dB typical @ 400 MHz<br>2.7 dB typical @ 6000 MHz  |
| Amplitude Tracking                   | ± 0.7 dB maximum<br>± 0.4 dB typical   |
| Phase Tracking                       | ± 8° maximum<br>± 5° typical   |
| Isolation                            | 11 dB minimum 400-500 MHz<br>18 dB minimum 500-6000 MHz<br><br>15 dB typical 400-500 MHz<br>21 dB minimum 500-6000 MHz |
| RF Input Power                       | 10 Watts average (divider port)<br>0.25 Watts average (combiner ports)   |
| Operating Temperature Range          | -40°C to +85°C   |
| RF Connector                         | N female   |
| Physical Size                        | See outline drawing 092-9064   |

| ECR/ECN # | DATE       | REV | APPR / DATE    | ECR/ECN # | DATE | REV | APPR / DATE |
|-----------|------------|-----|----------------|-----------|------|-----|-------------|
|           | 04/10/2018 |     | TRS 04/10/2018 |           |      |     |             |
| 29309     | 01/31/2019 | A   | TRS 01/31/2019 |           |      |     |             |