

SPECIFICATION SHEET

JFW MODEL 50PD-875

8 WAY RESISTIVE DIVIDER/COMBINER WITH ISOLATION

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Configuration 8-Way resistive divider/combiner with isolation paths

RF Functionality Insertion Loss Paths: COM port to J1/J8 port
J1/J8 port to COM port

Isolation Paths: J1/J8 port to J1/J8 port

Example Insertion Loss Paths:

COM to J1 = -23.4 dB typical

COM to J2 = -23.4 dB typical

J1 to COM = -23.4 dB typical

J2 to COM = -23.4 dB typical

Example Isolation Paths:

J1 to J2 = -46.8 dB typical

J1 to J3 = -46.8 dB typical

J6 to J7 = -46.8 dB typical

J6 to J8 = -46.8 dB typical

Frequency Range DC-6 GHz

Impedance 50 Ohms nominal

VSWR COM port: 1.75:1 maximum
1.57:1 typical

J1/J8 ports: 1.5:1 maximum
1.13:1 typical

Path Loss Insertion Loss paths (COM port to J1/J8 port):
-25.5 dB maximum
-23.5 dB typical @ DC
-24.6 dB typical @ 6 GHz

Isolation paths (J1/J8 port to J1/J8 port):
-44 dB minimum
-46.5 dB typical @ DC
-45.2 dB typical @ 6 GHz

RF Input Power 1/16 Watt average (into each combiner port)
1/2 Watt average (into COM port)

Operating Temperature Range -40°C to +85°C

Storage Temperature Range -55°C to +125°C

RF Connector SMA female

Physical Size See outline drawing 092-6756-01

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	02/10/2021		TRS 02/10/2021	32160	10/04/2022	C	TRS 10/04/2022
30940	02/12/2021	A	TRS 02/12/2021				
30942	02/15/2021	B	TRS 02/15/2021				