

SPECIFICATION SHEET
JFW MODEL 50PDA-150
POWER DIVIDER ASSEMBLY

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Configuration

The 50PDA-150 is a modular power divider assembly. It can hold up to 14 power divider modules. The modules can be of varying configuration, frequency ranges and connector types.

Electrical Specifications

See the module datasheets for RF specifications.

50PDM-001-X modules: 698-3000 MHz
50PDM-002-X modules: 2000-6000 MHz
50PMA-003-X modules: 500-6000 MHz

Physical Size

Below are listed some example outline drawings that show model 50PDA-150 with modules installed:

092-8195 (50PDA-150-A1-B2-C5)
092-8898 (50PDA-150-U5-Z3)

Available Module Letters (A thru Z):

A: One	8-way	698-3000MHz	(50PDM-001-A SMA)	(1 slot, Common port at rear)
B: Two	4-way	698-3000MHz	(50PDM-001-B SMA)	(1 slot, Common port at rear)
C: One	4-way	698-3000MHz	(50PDM-001-C SMA)	(1 slot, Common port at rear)
D: Three	2-way	698-3000MHz	(50PDM-001-D SMA)	(1 slot, Common port at rear)
E: Two	2-way	698-3000MHz	(50PDM-001-E SMA)	(1 slot, Common port at rear)
F: One	2-way	698-3000MHz	(50PDM-001-F SMA)	(1 slot, Common port at rear)
G: Four	8-way	698-3000MHz	(50PDM-001-G SMA)	(3 slot, Common port at rear)
H: One	8-way	2000-6000MHz	(50PDM-002-H SMA)	(1 slot, Common port at rear)
J: Two	4-way	2000-6000MHz	(50PDM-002-J SMA)	(1 slot, Common port at rear)
K: One	4-way	2000-6000MHz	(50PDM-002-K SMA)	(1 slot, Common port at rear)
L: Three	2-way	2000-6000MHz	(50PDM-002-L SMA)	(1 slot, Common port at rear)
M: Two	2-way	2000-6000MHz	(50PDM-002-M SMA)	(1 slot, Common port at rear)
N: One	2-way	2000-6000MHz	(50PDM-002-N SMA)	(1 slot, Common port at rear)
P: Four	8-way	2000-6000MHz	(50PDM-002-P SMA)	(3 slot, Common port at rear)
Q: Two	4-way	2000-6000MHz	(50PDM-002-Q SMA)	(1 slot, Common port at rear)
R: Three	2-way	2000-6000MHz	(50PDM-002-R SMA)	(1 slot, All ports at front)
S: Two	2-way	2000-6000MHz	(50PDM-002-S SMA)	(1 slot, Common/J1 front, J2 rear)
T: One	8-way	500-6000MHz	(50PDM-003-T SMA)	(1 slot, Common port at rear)
U: Two	4-way	500-6000MHz	(50PDM-003-U SMA)	(1 slot, Common port at rear)
V: One	4-way	500-6000MHz	(50PDM-003-V SMA)	(1 slot, Common port at rear)
W: Three	2-way	500-6000MHz	(50PDM-003-W SMA)	(1 slot, Common port at rear)
X: Two	2-way	500-6000MHz	(50PDM-003-X SMA)	(1 slot, Common port at rear)
Y: One	2-way	500-6000MHz	(50PDM-003-Y SMA)	(1 slot, Common port at rear)
Z: Four	2-way	500-6000MHz	(50PDM-003-Z SMA)	(1 slot, Common port at rear)

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Creating a New Model:

To Create a model number for the 50PDA-150, you select the modules you need and the quantities and build the part number as shown in the examples below. You start building the part number by using the base part number 50PDA-150 and then start adding modules by adding a "-" and then the letter corresponding to the desired module "A" followed by the quantity of that module "1". Repeat this process until you have a part number with the correct number of modules for your system. There are only 14 slots in this unit, so your model can not exceed 14 total modules.

JFW will arrange these modules from left to right in alphabetic module order for shipping. Any blank plates will be installed on the right side of the chassis. The end user is free to rearrange the modules upon receipt to best meet their cabling needs.

Example Model Numbers:

Model Number: 50PDA-150-A1-B2-C5
Description: Qty-1 of "A" module
Qty-2 of "B" modules
Qty-5 of "C" modules.
Unused positions covered with blank plates.

Model Number: 50PDA-150-A8-B2-D4
Description: Qty-8 of "A" modules
Qty-2 of "B" modules
Qty-4 of "D" modules.
All 14 slots are used so no blank plates required.

Model Number: 50PDA-150-A14
Description: Qty-14 of "A" modules.
All 14 slots are used so no blank plates required.

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	12/11/2014		BAC 12/11/2014	28049	08/23/2017	C	TRS 08/23/2017
25511	06/25/2015	A	BAC 06/25/2015				
26455	03/18/2016	B	BAC 03/18/2016				