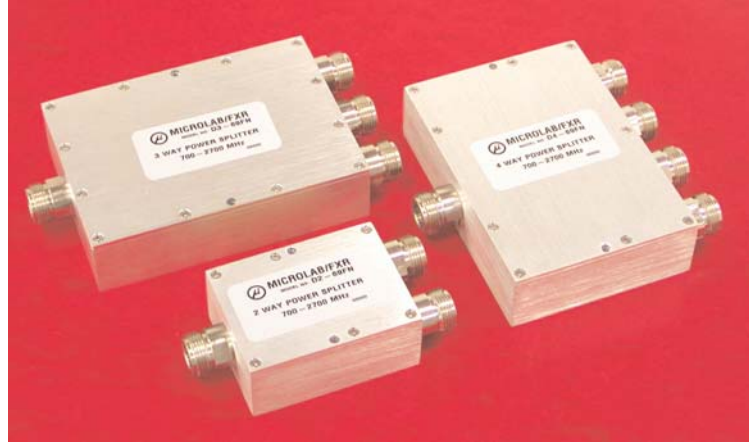


Proposal to Telefonica

- ◆ 698 - 2,700 MHz Multi-Band Frequency Range
- ◆ 50 W Splitter Power Rating
- ◆ Low RF Insertion Loss
- ◆ 20 dB Isolation
- ◆ RoHS compliant
- ◆ Low Cost N Design



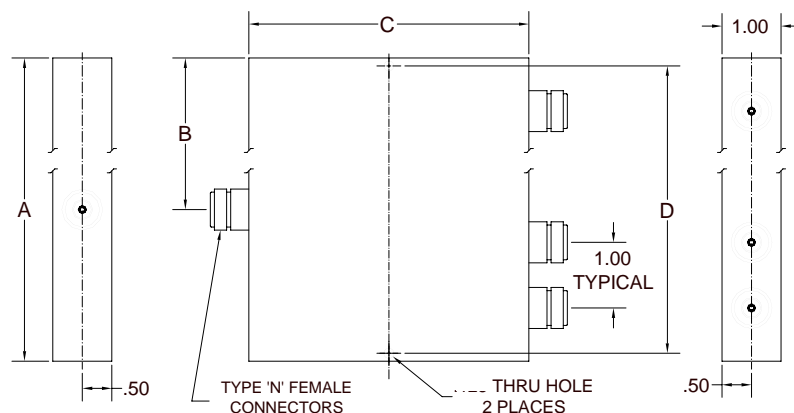
These Models D2-H85, D3-C11 and D4-B90 are based on the Microlab Dx-75FN series of Wilkinson style Power Dividers.

These have been designed for 50W power splitter applications where output isolation is preferable over lowest possible loss. The wide frequency range of this design allows use with multiband antennas and leaky cable systems. (06/11)

Bandwidth: 698 - 2,700 MHz
 Impedance: 50Ω nominal
 Passive IM: <-110 dBc Tested as a divider, 2x+43 dBm
 Environment: -30 to +60°C, Indoor
 Housing: Passivated Aluminum
 Connectors: N (f) triplate

Model Number	No. of Ways	Split Loss	Output Isolation	Insertion Loss, max.	Amplitude Ripple	VSWR All Ports	Power Rating, /input As Splitter*	As Combiner
D2-H85	2	3 dB	>20 dB	0.6 dB	±0.3 dB	<1.25:1	<50W avg.	<125 mW
D3-C11	3	4.8 dB	>20 dB	0.8 dB	±0.4 dB	<1.30:1	<50W avg.	<125 mW
D4-B90	4	6 dB	>20 dB	0.9 dB	±0.4 dB	<1.30:1	<50W avg.	<125 mW

*Used as divider into load(s) with VSWR <1.2:1



Dimensions and Weight

Inches (mm); Wt: oz (g) nom.

	D2-H85	D3-C11	D4-B90
A	1.81 (46)	2.91 (74)	4.00 (101)
B	0.91 (23)	1.46 (37)	2.00 (51)
C	2.40 (61)	4.06 (103)	2.80 (71)
D	1.61 (41)	2.71 (69)	3.78 (96)
Ø	0.12 (3.0)	0.12 (3.0)	0.12 (3.0)
Wt.	6.6 (185)	14.8 (415)	15.2 (395)