



MICROLAB/FXR

DG-32/52FN series

Unequal Splitters

Triple Band, Unequal Power Dividers 380 – 960 & 1710 – 2200 MHz

- ◆ Splits power in 80:20 or 67:33 ratio
- ◆ Covers Tetra, Cellular and PCS Bands
- ◆ DC continuity for remote power feeds
- ◆ 500 Watt Average Power Rating
- ◆ Minimal RF Insertion Loss
- ◆ High Reliability
- ◆ N-female Connectors Standard
- ◆ 7-16 mm DIN Connectors available



Microlab/FXR Models DG-52 and DG-32 Unequal Power Splitters are designed to split high power cellular signals in the ratio of 80:20 or 67:33 with minimal reflections or loss over the Tetra, Cellular and PCS bands. See [DG-34/54 series](#) for the physically smaller dual band versions for Cellular and PCS bands.

An advantage of this reactive splitter design over capacitively coupled designs, is that DC continuity is maintained to both main and branch lines so allowing signal cable powering of amplifiers and mini base stations.

Its mechanical shape allows simple attachment to a wall using clips or straps. Designed with only a few solder joints and an air dielectric, the loss has been minimized and reliability enhanced. (5/01)

Model:	DG-32FN	DG-52FN
Power Split:	67:33 (1.7dB:4.7dB)	80:20 (1dB:7dB)
Loss, max.	< 0.1 dB	380 – 960 MHz
	< 0.15 dB	1710 – 2200 MHz
Input VSWR	< 1.20:1	380 – 960 MHz
	< 1.25:1	1710 – 2200 MHz

Power Rating:	500 W avg., 3 kW peak
Impedance:	50Ω nominal
Intermod. Distortion:	-140 dBc max.
Temperature:	-35°C to +75°C
Applications:	Indoor or Outdoor
Finish: Housing:	Black powder paint
N connectors:	Silverplated

