



Unequal Dividers

UD-A03 Wideband Low Loss Power Tappers/Unequal Dividers/Signal Sampler 150 - 500 MHz

Model	UD-A03
Frequency range	150 - 500 MHz
Coupling J2 ref. to J1	8 - 10dB Nominal
Nominal Insertion Loss	
J1 ↔ J3	0.75 dB
J1 ↔ J2 or J3 ↔ J2	8.0 - 10.0 dB
Dissipative loss	0.1 dB
Impedance	50 Ω
J1 or J3 VSWR	< 1.25
Return Loss	>19.1 dB
Intermodulation IM3 (2 x 43 dBm carrier)	150 dBc
Max. power	300 W Avg, 3KW Peak
Connectors	N female
Material:	
Housing	Aluminum Passivated
Inner conductor & Conn	Brass, Silver Plated
DC continuity	
J1 ↔ J3	RF and DC
J1 or J3 ↔ J2	RF only
Profile cross-section	24.5 x 24.5 mm (1"x1")
Weight approx	0.34 kg (.75 lb)



R&D unequal power dividers use a novel, patented airline structure. The fixed split ratio is maintained over a 150 to 500 MHz bandwidth with minimum ripple and insertion loss. DC is continuous through the main line, while the coupled ports is DC isolated from the main line and passes only RF power. The mechanical design has no solder joint and uses reliable, flange mount connectors with O-rings to achieve an IP65 environmental rating.

- Patented Airline Coaxial Structure
- Power, Low Loss and PIM
- Rugged, Flange Mount Connectors with O-ring
- IP65 environment

Made in USA

