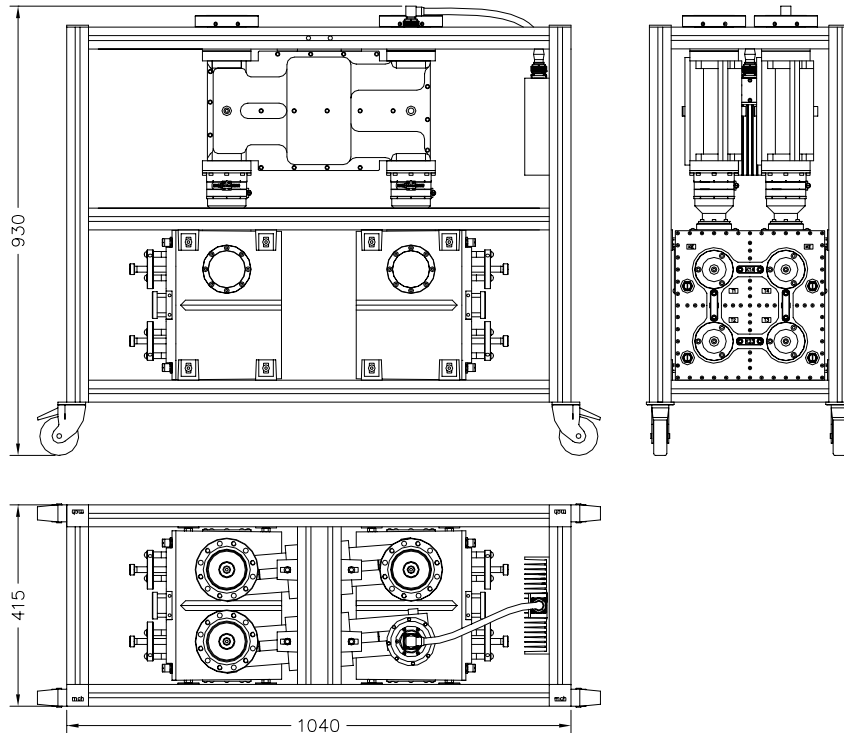


UHF ATV COMBINER

DF4E140C

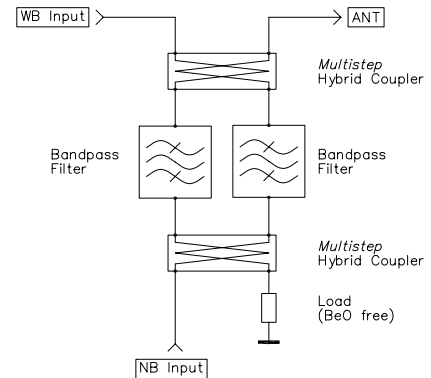
15 kW / 30 kW, Directional Filter



TRANSMITTING COMBINERS

FEATURES

- UHF double bridge channel combiner
- 15 kW NB input power, 30 kW total output power
- *MultiStep* hybrid couplers, providing excellent matching to all ports
- 4 Poles elliptical response filters
- Cascadable to form multiplexers having very high isolation and constant impedance
- Very low loss
- Very compact and lightweight



SPECIFICATIONS

Frequency Range	470 – 862 MHz
Max NB Input Power	15 kW ATV (7.5 kW DTV)
Max Output Power	30 kW ATV (20 kW DTV)
Bandwidth	6 to 8 MHz
Min Distance Between Ch.	1 guard channel
Temperature Stability	< 2 kHz / K
Operating Temperature	-5 to +45 °C
Weight (Approx)	100 kg
Connectors	3 x EIA 3+1/8" Flanged

OPTIONS

Q	EIA 4+1/2" Flanged Conn.
0	Painted Black

TUNING DATA

	CCIR G Standard	FCC M Standard
NB Insertion Loss	< 0.24 dB @C.F. (858 MHz)	< 0.28 dB @C.F. (803 MHz)
WB Insertion Loss	< 0.05 dB	< 0.05 dB
Selectivity	> 40 dB@V.C.-5.5/+11 MHz	> 40 dB@V.C.-4.5/+9 MHz
	> 24 dB@V.C.-11/+16.5 MHz	> 24 dB@V.C.-9/+13.5 MHz
Return Loss	> 26 dB	> 26 dB
De-coupling	> 30 dB	> 30 dB
NB Group Delay Variation	< 25 ns	< 25 ns