

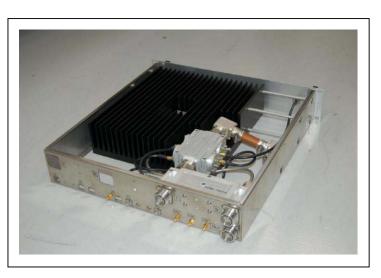
UHF MULTICOUPLER HU300-2

UHF 2 Way Splitter/Combiner Unit

This splitter/combiner unit is developed in Multicoupler structure, and uses striplines and transformer

It is composed of four "three broad band couplers", in order to work on all UHF range.

- Frequency Range: 470 862 MHz
- Structure: 4way Splitter/Combiner Unit
- Input/Output impedances 50Ω
- Isolated Output Ports
- Output Matching (Location Output Combiner): >26 dB
- Input Matching (Location Output Combiner): >26 dB
- Insertion Loss (Location Output Combiner): <0.1 dB
- Max. Amplitude Variation: < ± 0.3 dB
- Max. Phase Variation: $< \pm 1$
- Decoupling between accesses: > 26 dB
- Max. Input Power 2 ways: 2 x 250/ 2 x 750 W (CW)
- Typical Output Power 4 ways: 0.98 * ΣP_{in} (CW)
- Coupling: -33 to 53 (on any channel)
- Combiner Output/Splitter outputs Decoupling: >80 dB
- Dimensions: 19 Inch, 2HE, 490 (mm) Depth



UHF HYBRID MULTICOUPLER

Max Output Power	2 kW DTV / 3 kW ATV
Frequency Range	470 - 862 MHz
Isolation	> 30 dB
Max Output Power	2 kW DTV / 3 kW ATV
Enviromental Condition	-5 to +45 °C
Amplitude Unbalance	$-3.01 \pm 0.3 \text{ dB}$
Phase Balance	90° ± 1°
Return Loss	> 30 dB
Connectors	4 x 7-16 Female
Dimensions (mm)	Height: 49
	Wide: 170
	Depth: 102

UHF HYBRID MULTICOUPLER OPTIONS

С	N Female Connector
D	N Male Connector
F	7-16 Male Connector
G	EIA 7/8" Unflanged Conn.
H	EIA 7/8" Flanged Conn.
I	EIA 7/8" Plug Conn.
J	EIA 1+ 5/8" Unflanged Conn.
K	EIA 1+ 5/8" Flanged Conn.
0	Painted Black

Conctat Res-Ingenium, +39 0763 316333 Fax +39 0763316002- or visit www.res-ingenium.com for a complete listing.

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UHF MULTICOUPLER HU300-2

UHF HYBRID SPLITTER

Frequency Range	470 – 862 MHz
Max Input Power	50 W RMS
Isolation	> 24 dB
Insertion Loss	< 0.7 dB (Over the theorical -3.01 dB)
Return Loss	> 24 dB
Amplitude Balance	$\pm 0.1 \text{ dB}$
Phase Balance	0° / -90° ± 1°
Enviromental Condition	-5 to +45 ° C
Connectors	3 SMA Female
Dimensions (mm)	Height: 15
	Wide: 99
	Depth: 111

UHF HYBRID SPLITTER OPTIONS

	С	N Female Connector
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Res-Ingenium

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