



# UHF 6 CHANNELS HYBRID COMBINER

380 ÷ 470 MHz

T06040704

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PMR

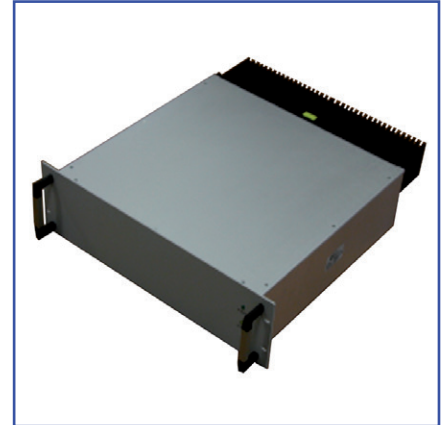
## Electrical Specifications

Frequency Band (MHz)	380 ÷ 470
Impedance ( $\Omega$ )	50
Insertion Loss (dB)	$\leq 8.5$
VSWR	$< 1.5$
Continuous Max. Input Power (W) all ports simultaneously	100
Isolation (dB) channel to channel	$\geq 20$
Isolation (dB) output to input	$\geq 8.5$
Operation Temp. Range ( $^{\circ}\text{C}$ )	$-30^{\circ} \div +55^{\circ}$
Electrical Safety	EN 60950 EN 60215
EMI / EMC	ETSI EN 301 489-1 /-18

## DESCRIPTION

T06070404 is hybrid combiner capable of handling up to 100W per input. It represents the best technical solution in the market to combine 6 high power transmitters.

Unlike cavity combiners and by the use of hybrids, all channels can be tuned at 25 kHz steps to any frequency across the VHF band without any constraint in terms of minimum distance between channels.



## Mechanical Specifications

Connectors	N F
Dimensions	3U x 19" x 520mm
Weight (kg)	$< 18$
Front Panel Colour	RAL 7035
Relative Humidity	$< 95\%$ @ $40^{\circ}\text{C}$ not condensing
Vibration	IEC 60068-2-6 0.3mm double amplitude 2g 10 ÷ 55 Hz 1 octave / mintotal test period 30min
Shock	IEC 60068-2-27 30g for 11ms 18 shocks in 3 positions
MTBF (hours)	$\geq 440000$
Enviromental Conditions	IP20

## Electrical Schematics

