



2 CHANNELS VHF HYBRID COMBINER

118 ÷ 144 MHz

T06010402

POLOMARCONI.IT

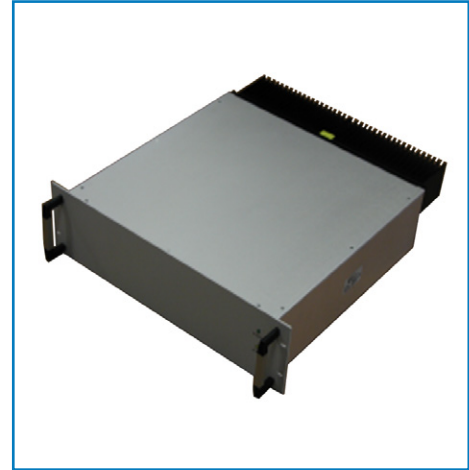


POLOMARCONI offers a very wide range of wireless products. Our products can be tailored according to the customer's need.

ATC

Electrical Specifications

Frequency Band (MHz)	118 ÷ 144	
Impedance (Ω)	50	
Insertion Loss (dB)	≤ 4.5	
VSWR	< 1.5	
Minimum Input Power for VSWR and alarms (W)	5	
Max continuous Input Power (W) all ports simultaneously	100	
Power Supply (V_{AC}) @47 ÷ 63 Hz	230	-10% ÷ +15%
Current Absorption (mA)	< 80	
Isolation (dB) channel to channel with	≥ 35	
Alarm (output with pull-up resistor)	VSWR default threshold	$\geq 2+25\%$
	alarm OFF (V)	≥ 10
	alarm ON (V)	< 1
IM3 (dBc) 2 × 47 dBm	< -80	
Harmonic Suppression (dBc)	≥ 55	
Operation Temp. Range ($^{\circ}C$)	$-20^{\circ} \div +55^{\circ}$	
Electrical Safety	EN 60950 EN 60215	
EMI / EMC	ETSI EN 301 489-1 /-18	



Mechanical Specifications

Connectors	Nf	
Alarm Connectors	DIN 9 pin male	
PIN Out	1 Alarm Output (active low)	
	5, 6, 9 Ground 2, 7, 8 Not connected	
Dimensions (mm)	3U × 19" × 520	
Front Panel Color	RAL 7047	
Relative Humidity	$< 95\%$ @ 40 $^{\circ}C$ (not condensing)	
Vibration	IEC 60068-2-6 0.3mm double amplitude 2g, 10 ÷ 55 Hz	
	1 octave/min total test period 30min	
Shock	IEC 60068-2-27 30g for 11ms 18 shocks in 3 positions	
MTBF (hours)	≥ 440000	
Environmental Conditions	IP20	



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