

PRE/POSTSELEKTOR

RADIO COMMUNICATION AND DATA EXCHANGE SYSTEMS

RKS-8000 PP



- Operates with RKS-8000 and RKP-8100 transceivers
- Mobile design

The digitally-tuned RKS-8000PP Pre/Postselector is dedicated to operate with the RKS-8000 and the RKP-8100 transceivers. The RKS-8000PP allows simultaneous and independent operations of collocated receivers and transmitters on frequencies separated by 10% at least. When used as a receiver it improves the selectivity of the receiver. When used as a transmitter, it reduces the level of interference and broadband noise of the transceiver exciter.





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GENERAL

Frequency Range:	1.5 to 30MHzV 50Hz
Remote Control:	RKS-8000WO or RKP-8100
Power Supply:	24VDC (RKS-8000ZD)

ENVIRONMENTAL SPECIFICATIONS

Environmental Requirements:	N.7, N.8 and M.1.1 UZ-II-A pos. NO-06-A103 (MIL-STD-810E)
EMC Compatibility:	NO-06-A200 (MIL-STD-461D)
Operating Temperature:	range-20°C to +55°C
Relative Humidity:	98% at +40°C

RKS-8000PP PARAMETERS

Selectivity:	$\geq 40\text{dB}$ ($\neq 1\text{dB}$) at $\neq 10\%$ from tuned frequency (f_0) (Band pass filters used from 2.0 to 30 MHz)
Suppress characteristic shape factor:	$\leq 0,2$ (3dB/35dB) for 2÷30 MHz
Boosting:	2dB ÷ -8dB $\pm 3\text{dB}$
I/O Impedance:	50 Ω VSWR < 2
Tuning time:	≤ 20 ms
Frequency step:	≤ 10 kHz
Maximum RF Input:	200 V RMS

OPERATION MODES

ALE 2G:	MIL-STD-188-141B App. A
ALE 3G:	STANAG 4538
Narrowband hopping:	STANAG 4444 FH flow capacity <1,2% f_0
Wideband hopping:	„by-pass“

DIMENSIONS

W×H×D in mm:	308×115×372
Weight in kg:	8