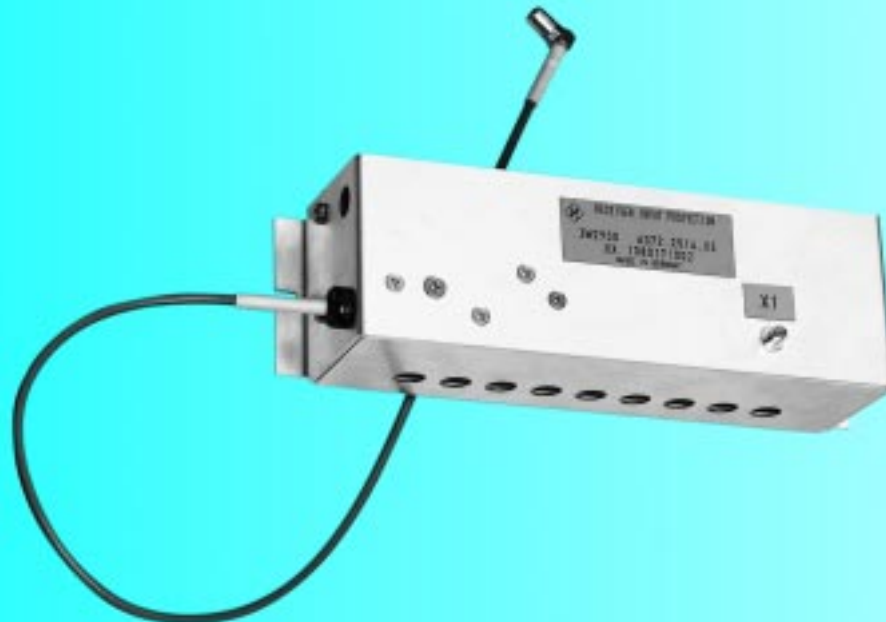


HF Transceiver Family XK 2000



RX Input Protection ZW2900

Receiver input protection against RF overloading and collocation problems

An optional RF protection for the input of the 500-W and 1000-W XK2000 transceivers is available. The add-on module ZW2900 ensures destructive-free reception in the presence of RF interference at the antenna (caused by very close transmitters) of up to 100 V_{rms} corresponding to a power of 200 W into 50 Ω.

The protection function is afforded by a power PTC resistor which is looped into Power Amplifier VK2500/2900 between the antenna and the receiver input. The PTC resistor goes high impedance when RF interference is present and thus protects the receiver input.

The use of the ZW2900 option is required whenever collocation problems caused by RF irradiation impairs or makes reception impossible. This type of situation arises in particular on ships and can be overcome by using the ZW2900 option.



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Specifications

Receiver input protection against
RF overloading

100 V_{rms} (corresponding to 200 W RF
into 50 Ω)

Ordering information

RX Input Protection

ZW2900

6072.2514.02



ROHDE & SCHWARZ

ROHDE & SCHWARZ GmbH & Co. KG · Mühlendorfstraße 15 · D-81671 München
P.O.B. 801469 · D-81614 München · Telephone +4989 4129-0 · Fax +4989 4129-3567 · Internet: <http://www.rsd.de>