



Alcatel 9774 series C-Band Transceiver – Option Pack

1. Easy M&C with Palm handheld

- The complete set of Monitoring and Control functions are provided on a User friendly Palm interface.
- Following functions can be set or monitored
 - TX/RX Frequencies (MHz)
 - TX/RX Attenuation
 - SSPA status
 - LNA status
 - Temperature status
 - RS232 serial link connection
 - Hardware and Software version of the unit
- Enhanced ARM processor at 144 MHz with 16 MB RAM
- High Resolution Display
- Palm universal connector for fast synchronisation with transceiver unit.

Palm™ Zire 71

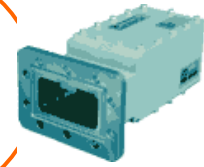


Ordering info

A9774-418	Palm device with software
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Main advantages :

- Lightweight and low cost solution for M&C in the field.
- M&C Software is Palm OS 5 .2.1 compliant and will work on all new Palm products.



Low Noise amplifiers

Standard Low Noise Amplifier 45 °K

Input frequency : 3.625 to 4.2 GHz

Noise Temperature : 45 °K @ 25 °C

Gain : 60 dB Typical
 Gain Flatness : ± 2 dBmax
 1 dB compression: +10 dBm Min
 3rd OIP: +21 dBm Min
 DC Power: +12 to 18 V
 DC Current: 160 mA Max

Input Flange: WR229G

Low Noise Amplifiers 30 °K

Input frequency : 3.4 to 4.2 GHz Noise

Temperature : 30 °K @ 25 °C

Gain : 50 dB Typical
 Gain Flatness : ± 0.25 dB
 1 dB compression: +10 dBm Min
 3rd OIP: +20 dBm Min
 DC Power: +18 to 24 V
 DC Current: 300 mA Max

Input Flange: WR229G

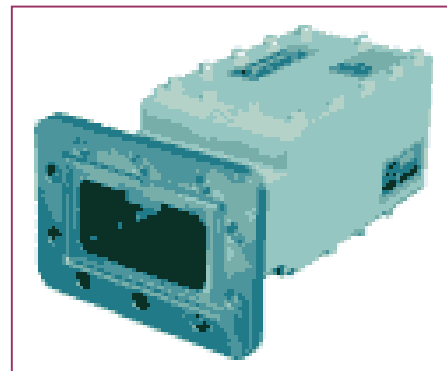
Low Noise Amplifiers 35 °K

Input frequency : 3.4 to 4.2 GHz Noise

Temperature : 35 °K @ 25 °C

Gain : 64 dB Typical
 Gain Flatness : ± 0.5 dB
 1 dB compression: +15 dBm Min
 3rd OIP: +26 dBm Min
 DC Power: +12 to 24 V
 DC Current: 180 mA Max

Input Flange: WR229G



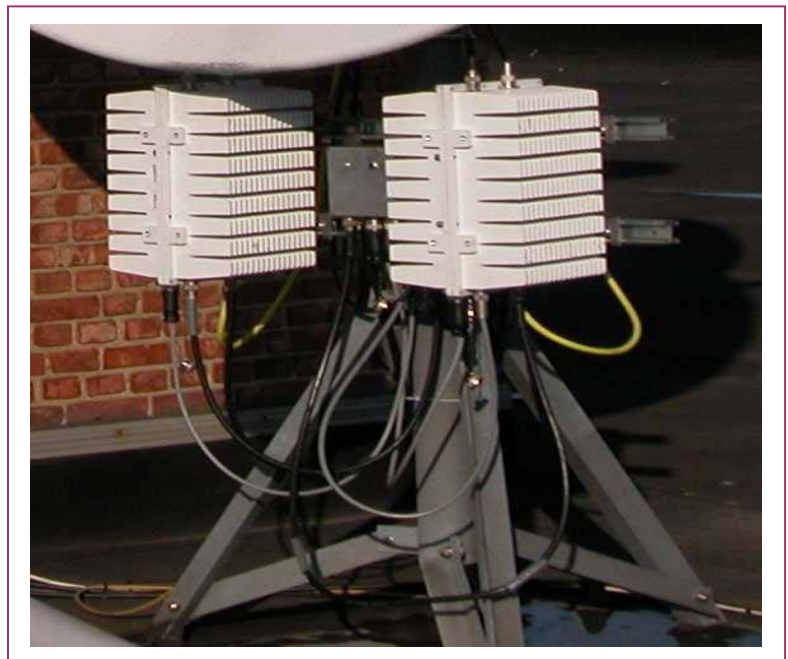
Ordering info

A9774-401	C-Band 30°K Low Noise Amplifier
A9774-402	C-Band 35°K Low Noise Amplifier
A9774-403	C-Band 40°K Low Noise Amplifier



3. Redundancy Switch System

- 1+1 Redundancy Switching
- The system is setup as a master/slave configuration, where the slave takes over the stream and settings of the master in a fault condition
- Automatic or Manual Switchover between the 2 units
- All fault conditions can be independently monitored through RS 485 interface
- No intelligence in Redundancy Box
- The Redundancy requires no external power



Ordering info

A9774-412	Redundancy Switch System (<10W)
A9774-413	Redundancy Switch System (>10W)



4. TX waveguide Interface

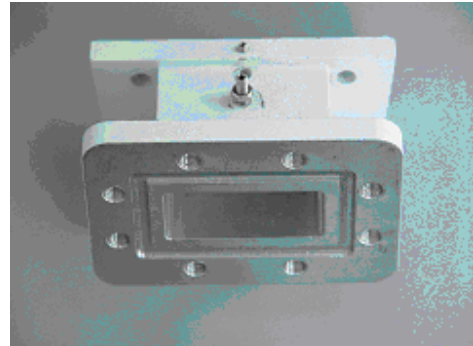
- Mates directly to the transceiver housing
- Can be installed on-site

Specifications

Frequency band : 5.85 GHz to 6.425 GHz
Maximum VSWR: 1.1

Impedance : 50 Ohm
Flange: WR137

Weight: 0.4 kg



Ordering info

A9774-411	waveguide Interface
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*) Specifications subjected to change without notification