

ROVER transverter 1,3GHz – finalno- 9A6NDD

9A3AQ 14.3.2013.

kod svih modula $U_{cc}=7,5\text{ V}$ **LO**

MMIC						recommended in data sheet
A1	MAR6	$R2=270\Omega$	$U_{A1}=2,3\text{V}$	$\Delta U_{A1}=5,4\text{V}$	$I_{A1}=20\text{mA}$	$i=16\text{mA}$
A2	MAR1	$R3=300\Omega$	$U_{A2}=4,1\text{V}$	$\Delta U_{A2}=3,6\text{V}$	$I_{A2}=17\text{mA}$	$i=17\text{mA}$
A3	MAR6	$R4=270\Omega$	$U_{A3}=3,6\text{V}$	$\Delta U_{A3}=4,1\text{V}$	$I_{A3}=16\text{mA}$	$i=16\text{mA}$
A3+	MAR3	$R4+=220\Omega$	$U_{A3+}=3,9\text{V}$	$\Delta U_{A3+}=3,8\text{V}$	$I_{A3+}=17\text{mA}$	$i=35\text{mA}$
OUT(720MHz)					+5dBm	

LO u MIX pcb

MMIC						recommended in data sheet
A4	MAR1	$R7=270\Omega$	$U_{A4}=3,05\text{V}$	$\Delta U_{A4}=4,45\text{V}$	$I_{A4}=16\text{mA}$	$i=17\text{mA}$
A5	MAR3	$R8=91\Omega$	$U_{A2}=4,55\text{V}$	$\Delta U_{A2}=2,95\text{V}$	$I_{A2}=32\text{mA}$	$i=35\text{mA}$

TX u MIX pcb

MMIC						recommended in data sheet
A2	MAR6	$R4=270\Omega$	$U_{A2}=3,3\text{V}$	$\Delta U_{A2}=4,2\text{V}$	$I_{A2}=16\text{mA}$	$i=16\text{mA}$
A3	ERA5	$R5+R6=33+15\Omega$	$U_{A3}=4,4\text{V}$	$\Delta U_{A3}=3,1\text{V}$	$I_{A3}=65\text{mA}$	$i=65\text{mA}$
OUT (1296MHz)					+7 dBm	

RX u MIX pcb

MMIC						recommended in data sheet
A1	INA10386	$R3=51\Omega$	$U_{A1}=5,0\text{V}$	$\Delta U_{A1}=2,5\text{V}$	$I_{A1}=49\text{mA}$	$i=45\text{mA}$