

80m band 0dBm generator. Parts list.
UPDATE 20191118 IC1 PCB 20180711-17

Capacitors RM2.5 IMPORTANT : keep capacitor wires AS SHORT AS POSSIBLE.

BNCbus : use a toothring at the **outside** of the cabinet.

For best cooling : keep IC1 wires short.

For power supply higher than 9V, insert series resistor between power bus + and PCB +.

		Conrad orderNr
OUT	BNC bus, single nut. Short type, total length 15.6mm. UG1094	740764
12V	Low voltage bus 5.8mm snap-in. 2.1mm pin OR 2.5mm pin	1567097 1565212
C2	330n ceramic (2u2 tantalium see IC1)	458238
C1,3,5,6,10	100n ceramic	1584717
C4	10u 16V Tantal	1578643
R1	2k7 0.25W metalfilm	1583720
R3,4,5,6	124 Ohms 0.25W metalfilm <u>1% or better</u>	1583477
IC1	LP2950LPRE low drop or <u>LE50ABZ-AP Now C2 must be 2.2uF tantalium</u>	1184984
IC2	74HC540N or 74HC541N	eBay
Oscillator unit 14pin DIL	3.686 MHz or 3.579545 MHz <u>==> Duty cycle 50% +-5% or better <==</u>	1009199 eBay
L1	Fastron MICC-221K-02 (220uH SRF3.8MHz) (RM2, RM3 and RM5 will all fit. Imax >=100mA. <u>==> SRF >= 3.5MHz <==</u>	440284
M3 distance pilar 10mm long	2x (two M3 holes) 2x (one M3 hole + one M3 thread end.)	526517 526630
Screw M3 5mm long	4x	