

Typical Specifications Downconvertor V2

Input Frequency range: 1490 - 1540 MHz (@ -1dB)

Programmable Local Oscillator frequency range: 1390.0 – 1449.9 MHz
(LO leakage antenna connector: $\leq -90\text{dBm}$)

Output Frequency range: 87.5 – 108 MHz

Input connector: N-type female 50 Ω SWR < 1:1.75
Maximum input level: +5dBm

Output connector: F-type female 75 Ω SWR < 1:1.5
Total conversion gain: +28dB

Power supply: 18Vdc/105mA via coax

Typical S/N table with convertor connected via 40m sat ME105 coax to ST700 Sony tuner:

Input RF level (dBm) @ 1510 MHz	S/N mono (dB)	S/N stereo (dB)	RSSI op tuner (dB)
-30	69.5	66.0	70++
-40	70.0	66.5	70++
-50	70.0	66.5	70++
-60	70.0	65.5	70++
-72.8	69.4	60.0	52
-83.0	67.0	50.0	43
-93.0	60.0	40.0	36
-103.1	50.0	-	19
-109.5	40.0	-	--