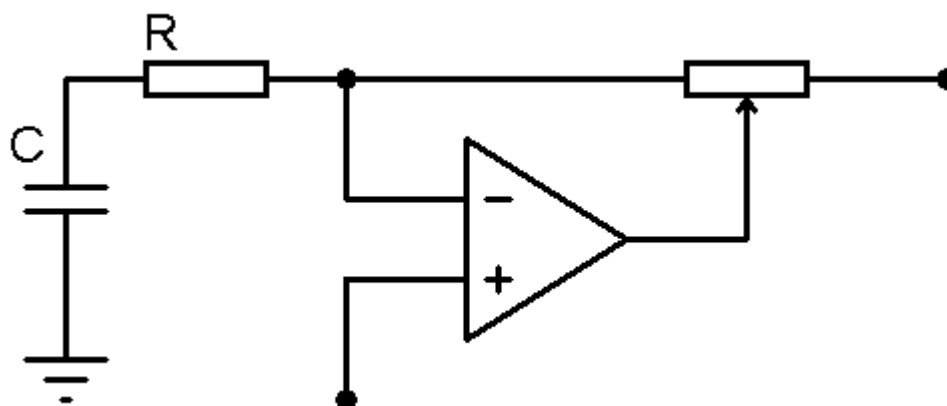


RESONANCE TANKS

OF DIFFERENT DISTORTION PEDALS

3.



FIRST-STEP, NON-INVERTING, CLOSED-LOOP, LIMITED GAIN, LINEAR OPERATIONAL AMPLIFIER STAGE.

MANUFACTURE/TRADEMARK		R (KΩ)	C (μF)	CUTOFF FREQUENCY
MARSHAL	MG10	1.000	0.100	1.59154943 KHz
		0.820	0.150	1.29394262 KHz
MXR	MICRO AMP	2.700	4.700	12.54176068 Hz
		500.0	4.700	0.067725507 Hz
MXR	DISTORTION+	4.700	0.047	720.4841245 Hz
		1000	0.047	3.386275385 Hz
RAT	PRO CO RAT	0.047	2.200	1.53921608 KHz
		0.560	4.700	60.46920330 Hz
SUHR	RIOT	1.000	0.220	723.4315595 Hz
AMZ	-	0.100	1.000	1.59154943 KHz
IBANEZ	TS-9	4.700	4.700	7.204841245 Hz
GM	ARTS	2.200	0.150	482.2877063 Hz

**Note:*

1. Related values are serried potentiometers. Otherwise they are two paralleled branches.
2. There was a Q. in columns but all R & C parameters arrange a very close value to the 90°. So it removed.
3. Quality factor calculate with $Tan^{-1}(R/c)$ and another case, $Fc = \frac{1}{2\pi RC}$