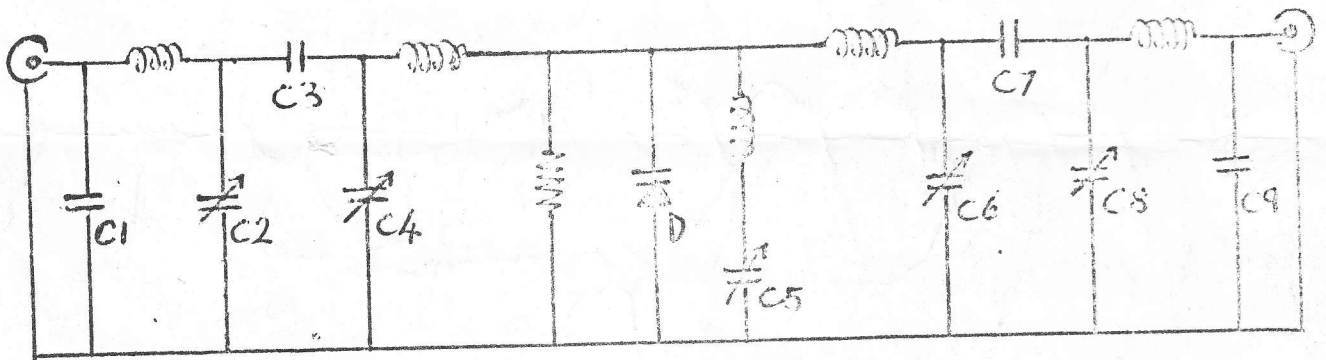


## Care and operation of Varactor Multipliers

The MM series of Varactor Multipliers have been tuned under wide-band swept frequency conditions at full power input. Then the drive power is slowly reduced while checking for stability and a clean spectrum, all the way down to zero drive. This is the correct way to tune up varactor multipliers, to achieve a spurious-free output signal.

PLEASE resist the temptation to retune the input and output circuits of the tripler unless you have a swept frequency source available.

### CIRCUIT DIAGRAM



### COMPONENT VALUES ( in pF )

Unit	C1	C2	C3	C4	C5	C6	C7	C8	C9	D
MMV432	22	12	6.8	12	6	6	1.5	6	9.4	VBC87B
MMV1296	20	6	1.5	6	6	10	0.5	10	-	VBC77J

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