

Capacitor uF - nF - pF Conversion Chart

When reading schematics, repairing radios and buying capacitors, you often must convert between uF, nF and pF.

Paper and electrolytic capacitors are usually expressed in terms of **uF (microfarads)**. Short forms for micro farad include **uF**, mfd, MFD, MF and UF. Mica capacitors are usually expressed in terms of **pF (micromicrofarads)** (picofarads).

Short forms for micromicrofarads include **pF**, mmfd, MMFD, MMF, uuF and PF. A pF is one-millionth of a uF. In between a pF and a uF is a nF which is one-one thousands of a uF. Converting back and forth between uF, nF and pF can be confusing with all those darn decimal points to worry about. Below is a uF - nF- pF conversion chart.

Just **print a copy and tape it to your workbench....**it will come in handy. Have fun with your radio restorations.

[Back to Capacitor Tips Page.](#) This page brought to you by [JustRadios - CAPACITORS for Tube Radios.](#)



[Capacitor Shopping Cart](#)
[Capacitor Excel OrderForm](#)
[Capacitor \\$ Price List](#)
[Capacitor KITS](#)

To use this table, just read across. For example, 1uF is same 1,000nF or 1,000,000pF.

uF/ MFD	nF	pF/ MMFD	uF/ MFD	nF	pF/ MMFD
1uF / MFD	1000nF	1000000pF(MMFD)	0.001uF / MFD	1nF	1000pF(MMFD)
0.82uF / MFD	820nF	820000pF (MMFD)	0.00082uF / MFD	0.82nF	820pF (MMFD)
0.8uF / MFD	800nF	800000pF (MMFD)	0.0008uF / MFD	0.8nF	800pF (MMFD)
0.7uF / MFD	700nF	700000pF (MMFD)	0.0007uF / MFD	0.7nF	700pF (MMFD)
0.68uF / MFD	680nF	680000pF (MMFD)	0.00068uF / MFD	0.68nF	680pF (MMFD)
0.6uF / MFD	600nF	600000pF (MMFD)	0.0006uF / MFD	0.6nF	600pF (MMFD)
0.56uF / MFD	560nF	560000pF (MMFD)	0.00056uF / MFD	0.56nF	560pF (MMFD)
0.5uF / MFD	500nF	500000pF (MMFD)	0.0005uF / MFD	0.5nF	500pF (MMFD)
0.47uF / MFD	470nF	470000pF (MMFD)	0.00047uF / MFD	0.47nF	470pF (MMFD)
0.4uF / MFD	400nF	400000pF (MMFD)	0.0004uF / MFD	0.4nF	400pF (MMFD)
0.39uF / MFD	390nF	390000pF (MMFD)	0.00039uF / MFD	0.39nF	390pF (MMFD)
0.33uF / MFD	330nF	330000pF (MMFD)	0.00033uF / MFD	0.33nF	330pF (MMFD)

0.3uF / MFD	300nF	300000pF (MMFD)		0.0003uF / MFD	0.3nF	300pF (MMFD)
0.27uF / MFD	270nF	270000pF (MMFD)		0.00027uF / MFD	0.27nF	270pF (MMFD)
0.25uF / MFD	250nF	250000pF (MMFD)		0.00025uF / MFD	0.25nF	250pF (MMFD)
0.22uF / MFD	220nF	220000pF (MMFD)		0.00022uF / MFD	0.22nF	220pF (MMFD)
0.2uF / MFD	200nF	200000pF (MMFD)		0.0002uF / MFD	0.2nF	200pF (MMFD)
0.18uF / MFD	180nF	180000pF (MMFD)		0.00018uF / MFD	0.18nF	180pF (MMFD)
0.15uF / MFD	150nF	150000pF (MMFD)		0.00015uF / MFD	0.15nF	150pF (MMFD)
0.12uF / MFD	120nF	120000pF (MMFD)		0.00012uF / MFD	0.12nF	120pF (MMFD)
0.1uF / MFD	100nF	100000pF (MMFD)		0.0001uF / MFD	0.1nF	100pF (MMFD)
0.082uF / MFD	82nF	82000pF (MMFD)		0.000082uF / MFD	0.082nF	82pF (MMFD)
0.08uF / MFD	80nF	80000pF (MMFD)		0.00008uF / MFD	0.08nF	80pF (MMFD)
0.07uF / MFD	70nF	70000pF (MMFD)		0.00007uF / MFD	0.07nF	70pF (MMFD)
0.068uF / MFD	68nF	68000pF (MMFD)		0.000068uF / MFD	0.068nF	68pF (MMFD)
0.06uF / MFD	60nF	60000pF (MMFD)		0.00006uF / MFD	0.06nF	60pF (MMFD)
0.056uF / MFD	56nF	56000pF (MMFD)		0.000056uF / MFD	0.056nF	56pF (MMFD)
0.05uF / MFD	50nF	50000pF (MMFD)		0.00005uF / MFD	0.05nF	50pF (MMFD)
0.047uF / MFD	47nF	47000pF (MMFD)		0.000047uF / MFD	0.047nF	47pF (MMFD)
0.04uF / MFD	40nF	40000pF (MMFD)		0.00004uF / MFD	0.04nF	40pF (MMFD)
0.039uF / MFD	39nF	39000pF (MMFD)		0.000039uF / MFD	0.039nF	39pF (MMFD)
0.033uF / MFD	33nF	33000pF (MMFD)		0.000033uF / MFD	0.033nF	33pF (MMFD)
0.03uF / MFD	30nF	30000pF (MMFD)		0.00003uF / MFD	0.03nF	30pF (MMFD)
0.027uF / MFD	27nF	27000pF (MMFD)		0.000027uF / MFD	0.027nF	27pF (MMFD)
0.025uF / MFD	25nF	25000pF (MMFD)		0.000025uF / MFD	0.025nF	25pF (MMFD)
0.022uF / MFD	22nF	22000pF (MMFD)		0.000022uF / MFD	0.022nF	22pF (MMFD)
0.02uF / MFD	20nF	20000pF (MMFD)		0.00002uF / MFD	0.02nF	20pF (MMFD)
0.018uF / MFD	18nF	18000pF (MMFD)		0.000018uF / MFD	0.018nF	18pF (MMFD)
0.015uF / MFD	15nF	15000pF (MMFD)		0.000015uF / MFD	0.015nF	15pF (MMFD)
0.012uF / MFD	12nF	12000pF (MMFD)		0.000012uF / MFD	0.012nF	12pF (MMFD)
0.01uF / MFD	10nF	10000pF (MMFD)		0.00001uF / MFD	0.01nF	10pF (MMFD)
0.0082uF / MFD	8.2nF	8200pF (MMFD)		0.0000082uF / MFD	0.0082nF	8.2pF (MMFD)
0.008uF / MFD	8nF	8000pF (MMFD)		0.000008uF / MFD	0.008nF	8pF (MMFD)
0.007uF / MFD	7nF	7000pF (MMFD)		0.000007uF / MFD	0.007nF	7pF (MMFD)
0.0068uF / MFD	6.8nF	6800pF (MMFD)		0.0000068uF / MFD	0.0068nF	6.8pF (MMFD)
0.006uF / MFD	6nF	6000pF (MMFD)		0.000006uF / MFD	0.006nF	6pF (MMFD)
0.0056uF / MFD	5.6nF	5600pF (MMFD)		0.0000056uF / MFD	0.0056nF	5.6pF (MMFD)
0.005uF / MFD	5nF	5000pF (MMFD)		0.000005uF / MFD	0.005nF	5pF (MMFD)
0.0047uF / MFD	4.7nF	4700pF (MMFD)		0.0000047uF / MFD	0.0047nF	4.7pF (MMFD)
0.004uF / MFD	4nF	4000pF (MMFD)		0.000004uF / MFD	0.004nF	4pF (MMFD)
0.0039uF / MFD	3.9nF	3900pF (MMFD)		0.0000039uF / MFD	0.0039nF	3.9pF (MMFD)
0.0033uF / MFD	3.3nF	3300pF (MMFD)		0.0000033uF / MFD	0.0033nF	3.3pF (MMFD)
0.003uF / MFD	3nF	3000pF (MMFD)		0.000003uF / MFD	0.003nF	3pF (MMFD)

0.0027uF / MFD 2.7nF	2700pF (MMFD)	0.0000027uF / MFD 0.0027nF	2.7pF (MMFD)
0.0025uF / MFD 2.5nF	2500pF (MMFD)	0.0000025uF / MFD 0.0025nF	2.5pF (MMFD)
0.0022uF / MFD 2.2nF	2200pF (MMFD)	0.0000022uF / MFD 0.0022nF	2.2pF (MMFD)
0.002uF / MFD 2nF	2000pF (MMFD)	0.000002uF / MFD 0.002nF	2pF (MMFD)
0.0018uF / MFD 1.8nF	1800pF (MMFD)	0.0000018uF / MFD 0.0018nF	1.8pF (MMFD)
0.0015uF / MFD 1.5nF	1500pF (MMFD)	0.0000015uF / MFD 0.0015nF	1.5pF (MMFD)
0.0012uF / MFD 1.2nF	1200pF (MMFD)	0.0000012uF / MFD 0.0012nF	1.2pF (MMFD)
0.001uF / MFD 1nF	1000pF (MMFD)0.000001uF / MFD 0.001nF	1pF (MMFD)