

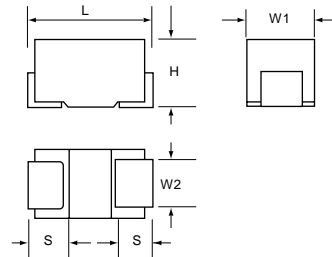
Compatible List of Part Number

Nichicon	Matsushita	Applications
F91	TE-L	Low ESR
F92	TES	Miniture Sized, General Purpose
F93	TE	General Purpose
F97	TEH	High Reliability

Case size

Case code		Dimensions				
Nichicon	Matsushita	L	W1	W2	H	S
P	Z	2.0 ± 0.2	12.5 ± 0.1 (1.25 ± 0.2)	0.9 ± 0.1	1.1 ± 0.1	0.5 ± 0.2
A	Y	3.2 ± 0.2	1.6 ± 0.2	1.2 ± 0.1	1.6 ± 0.2	0.8 ± 0.2 (0.8 ± 0.3)
B	X	3.5 ± 0.2	2.8 ± 0.2	2.2 ± 0.1	2.5 ± 0.2	0.8 ± 0.2 (0.8 ± 0.3)
C	C	6.0 ± 0.2	3.2 ± 0.2	2.2 ± 0.1	2.5 ± 0.2	1.3 ± 0.2 (1.3 ± 0.3)
-	V	5.8 ± 0.2	4.6 ± 0.2	(2.4 ± 0.1)	3.2 ± 0.2	1.3 ± 0.2 (1.3 ± 0.3)
N	D	7.3 ± 0.2	4.3 ± 0.2	2.4 ± 0.1	2.8 ± 0.2	1.3 ± 0.2 (1.3 ± 0.3)

() : Matsushita



Basic order unit

Case code		Reel	Standard		Quasi-standard *1	
Nichicon	Matsushita		Package quantity	Reel mark	Package quantity	Reel mark
A	Y	φ 180	2000	A	-	-
B	X	φ 180	2000	A	-	-
C	C	φ 180	500	C	750	M
-	V	φ 180	500	C	-	-
N	D	φ 180	500	C	750	M

*1 Quasi-standard : In this case, M will be put at 11th digit of type numbering system.
 Example) F910G107MCC 500pcs (standard)
 F910G107MCM 750pcs (Quasi-standard)

F91/TE-L (Matsushita)

Rated Volt	Rated Capacitance (μF)	Case code		Part Number	
		Nichicon	Matsushita	Nichicon	Matsushita
4V	100	C	C	F910G107MCC	EEJL0GC107R
	220	N	D	F910G227MNC	EEJL0GD227R
	330	N	D	F910G337MNC	EEJL0GD337R
6.3V	100	C	C	F910J107MCC	EEJL0JC107R
	150	N	D	F910J157MNC	EEJL0JD157R
	220	N	D	F910J227MNC	EEJL0JD227R
10V	47	C	C	F911A476MCC	EEJL1AC476R
	100	N	D	F911A107MNC	EEJL1AD107R
	150	N	D	F911A157MNC	EEJL1AD157R
16V	33	C	C	F911C336MCC	EEJL1CC336R
	47	N	D	F911C476MNC	EEJL1CD476R
20V	10	C	C	F911D106MCC	EEJL1DC106R
	15	C	C	F911D156MCC	EEJL1DC156R
	33	N	D	F911D336MNC	EEJL1DD336R
25V	10	C	C	F911E106MCC	EEJL1EC106R
	15	N	D	F911E156MNC	EEJL1ED156R
	22	N	D	F911E226MNC	EEJL1ED226R
	33	N	D	F911E336MNC	EEJL1ED336R
35V	6.8	C	C	F911V685MCC	EEJL1VC685R
	10	N	D	F911V106MNC	EEJL1VD106R
	15	N	D	F911V156MNC	EEJL1VD156R
	22	N	D	F911V226MNC	EEJL1VD226R

※ Matsushita : Matsushita Electronic Components Co., Ltd.

※ Overseas Factory production items :

Add "BMA" to the end of the Nichicon Part number.

F92/TES (Matsushita)

Rated Volt	Rated Capacitance (μF)	Case code		Part Number	
		Nichicon	Matsushita	Nichicon	Matsushita
4V	2.2	P	Z	F920G225MPA	ECST0GZ225R
	3.3	P	Z	F920G335MPA	ECST0GZ335R
	6.8	P	Z	F920G685MPA	ECST0GZ685R
	10	P	Z	F920G106MPA	ECST0GZ106R
6.3V	15	P	Z	F920G156MPA	ECST0GZ156R
	1.5	P	Z	F920J155MPA	ECST0JZ155R
	2.2	P	Z	F920J225MPA	ECST0JZ225R
	4.7	P	Z	F920J475MPA	ECST0JZ475R
	6.8	P	Z	F920J685MPA	ECST0JZ685R
10V	10	P	Z	F920J106MPA	ECST0JZ106R
	1	P	Z	F921A105MPA	ECST1AZ105R
	1.5	P	Z	F921A155MPA	ECST1AZ155R
	2.2	P	Z	F921A225MPA	ECST1AZ225R
	3.3	P	Z	F921A335MPA	ECST1AZ335R
16V	4.7	P	Z	F921A475MPA	ECST1AZ475R
	0.47	P	Z	F921C474MPA	ECST1CZ474R
	0.68	P	Z	F921C684MPA	ECST1CZ684R
	1	P	Z	F921C105MPA	ECST1CZ105R

※ Matsushita : Matsushita Electronic Components Co., Ltd.

※ Overseas Factory production items :

Add "BMA" to the end of the Nichicon Part number.

Compatible List of Part Number

F93/TE (Matsushita)

Rated Volt	Rated Capacitance (μF)	Case code		Part Number	
		Nichicon	Matsushita	Nichicon	Matsushita
4V	4.7	A	Y	F930G475MAA	ECST0GY475R
	6.8	A	Y	F930G685MAA	ECST0GY685R
	10	A	Y	F930G106MAA	ECST0GY106R
	15	A	Y	F930G156MAA	ECST0GY156R
	22	A	Y	F930G226MAA	ECST0GY226R
	22	B	X	F930G226MBA	ECST0GX226R
	33	B	X	F930G336MBA	ECST0GX336R
	47	B	X	F930G476MBA	ECST0GX476R
	47	C	C	F930G476MCC	ECST0GC476R
	68	C	C	F930G686MCC	ECST0GC686R
	100	C	C	F930G107MCC	ECST0GC107R
	100	—	V	F930G107MVC	ECST0GV107R
	100	N	D	F930G107MNC	ECST0GD107R
	150	—	V	F930G157MVC	ECST0GV157R
	150	N	D	F930G157MNC	ECST0GD157R
	220	N	D	F930G227MNC	ECST0GD227R
	330	N	D	F930G337MNC	ECST0GD337R
	6.3V	3.3	A	Y	F930J335MAA
4.7		A	Y	F930J475MAA	ECST0JY475R
6.8		A	Y	F930J685MAA	ECST0JY685R
10		A	Y	F930J106MAA	ECST0JY106R
15		A	Y	F930J156MAA	ECST0JY156R
15		B	X	F930J156MBA	ECST0JX156R
22		A	Y	F930J226MAA	ECST0JY226R
22		B	X	F930J226MBA	ECST0JX226R
33		B	X	F930J336MBA	ECST0JX336R
33		C	C	F930J336MCC	ECST0JC336R
47		B	X	F930J476MBA	ECST0JX476R
47		C	C	F930J476MCC	ECST0JC476R
68		C	C	F930J686MCC	ECST0JC686R
68		—	V	F930J686MVC	ECST0JV686R
68		N	D	F930J686MNC	ECST0JD686R
100		C	C	F930J107MCC	ECST0JC107R
100		—	V	F930J107MVC	ECST0JV107R
100		N	D	F930J107MNC	ECST0JD107R
150	N	D	F930J157MNC	ECST0JD157R	
220	N	D	F930J227MNC	ECST0JD227R	
10V	2.2	A	Y	F931A225MAA	ECST1AY225R
	3.3	A	Y	F931A335MAA	ECST1AY335R
	4.7	A	Y	F931A475MAA	ECST1AY475R
	6.8	A	Y	F931A685MAA	ECST1AY685R
	10	A	Y	F931A106MAA	ECST1AY106R
	10	B	X	F931A106MBA	ECST1AX106R
	15	B	X	F931A156MBA	ECST1AX156R
	22	B	X	F931A226MBA	ECST1AX226R
	22	C	C	F931A226MCC	ECST1AC226R
	33	B	X	F931A336MBA	ECST1AX336R
	33	C	C	F931A336MCC	ECST1AC336R
	47	C	C	F931A476MCC	ECST1AC476R
	47	—	V	F931A476MVC	ECST1AV476R
	47	N	D	F931A476MNC	ECST1AD476R
	68	—	V	F931A686MVC	ECST1AV686R
	68	N	D	F931A686MNC	ECST1AD686R
	100	N	D	F931A107MNC	ECST1AD107R
	150	N	D	F931A157MNC	ECST1AD157R

Rated Volt	Rated Capacitance (μF)	Case code		Part Number		
		Nichicon	Matsushita	Nichicon	Matsushita	
16V	1	A	Y	F931C105MAA	ECST1CY105R	
	1.5	A	Y	F931C155MAA	ECST1CY155R	
	2.2	A	Y	F931C225MAA	ECST1CY225R	
	3.3	A	Y	F931C335MAA	ECST1CY335R	
	4.7	A	Y	F931C475MAA	ECST1CY475R	
	6.8	A	Y	F931C685MAA	ECST1CY685R	
	6.8	B	X	F931C685MBA	ECST1CX685R	
	10	B	X	F931C106MBA	ECST1CX106R	
	15	B	X	F931C156MBA	ECST1CX156R	
	15	C	C	F931C156MCC	ECST1CC156R	
	22	C	C	F931C226MCC	ECST1CC226R	
	33	C	C	F931C336MCC	ECST1CC336R	
	33	—	V	F931C336MVC	ECST1CV336R	
	33	N	D	F931C336MNC	ECST1CD336R	
	47	—	V	F931C476MVC	ECST1CV476R	
	47	N	D	F931C476MNC	ECST1CD476R	
	68	N	D	F931C686MNC	ECST1CD686R	
	20V	0.68	A	Y	F931D684MAA	ECST1DY684R
1.5		A	Y	F931D155MAA	ECST1DY155R	
2.2		A	Y	F931D225MAA	ECST1DY225R	
3.3		A	Y	F931D335MAA	ECST1DY335R	
3.3		B	X	F931D335MBA	ECST1DX335R	
4.7		A	Y	F931D475MAA	ECST1DY475R	
4.7		B	X	F931D475MBA	ECST1DX475R	
6.8		B	X	F931D685MBA	ECST1DX685R	
10		B	X	F931D106MBA	ECST1DX106R	
10		C	C	F931D106MCC	ECST1DC106R	
15		C	C	F931D156MCC	ECST1DC156R	
22		C	C	F931D226MCC	ECST1DC226R	
22		—	V	F931D226MVC	ECST1DV226R	
22		N	D	F931D226MNC	ECST1DD226R	
33		—	V	F931D336MVC	ECST1DV336R	
33		N	D	F931D336MNC	ECST1DD336R	
25V		0.47	A	Y	F931E474MAA	ECST1EY474R
		1	A	Y	F931E105MAA	ECST1EY105R
	1.5	A	Y	F931E155MAA	ECST1EY155R	
	2.2	A	Y	F931E225MAA	ECST1EY225R	
	2.2	B	X	F931E225MBA	ECST1EX225R	
	3.3	B	X	F931E335MBA	ECST1EX335R	
	4.7	B	X	F931E475MBA	ECST1EX475R	
	6.8	C	C	F931E685MCC	ECST1EC685R	
	10	C	C	F931E106MCC	ECST1EC106R	
	15	—	V	F931E156MVC	ECST1EV156R	
	15	N	D	F931E156MNC	ECST1ED156R	
	22	N	D	F931E226MNC	ECST1ED226R	
	35V	0.15	A	Y	F931V154MAA	ECST1VY154R
		0.22	A	Y	F931V224MAA	ECST1VY224R
		0.33	A	Y	F931V334MAA	ECST1VY334R
		0.47	A	Y	F931V474MAA	ECST1VY474R
		0.68	A	Y	F931V684MAA	ECST1VY684R
		1	A	Y	F931V105MAA	ECST1VY105R
1.5		B	X	F931V155MBA	ECST1VX155R	
2.2		B	X	F931V225MBA	ECST1VX225R	
3.3		B	X	F931V335MBA	ECST1VX335R	
4.7		C	C	F931V475MCC	ECST1VC475R	
6.8		C	C	F931V685MCC	ECST1VC685R	
10		—	V	F931V106MVC	ECST1VV106R	
10		N	D	F931V106MNC	ECST1VD106R	
15		N	D	F931V156MNC	ECST1VD156R	

※ Matsushita : Matsushita Electronic Components Co., Ltd.

※ Overseas Factory production items :
Add "BMA" to the end of the Nichicon Part number.

Compatible List of Part Number

F97/TEH (Matsushita)

Rated Volt	Rated Capacitance (μF)	Case code		Part Number	
		Nichicon	Matsushita	Nichicon	Matsushita
4V	4.7	A	Y	F970G475MAA	ECSH0GY475R
	6.8	A	Y	F970G685MAA	ECSH0GY685R
	10	A	Y	F970G106MAA	ECSH0GY106R
	10	B	X	F970G106MBA	ECSH0GX106R
	15	B	X	F970G156MBA	ECSH0GX156R
	22	B	X	F970G226MBA	ECSH0GX226R
	33	C	C	F970G336MCC	ECSH0GC336R
	47	C	C	F970G476MCC	ECSH0GC476R
	68	N	D	F970G686MNC	ECSH0GD686R
	100	N	D	F970G107MNC	ECSH0GD107R
6.3V	3.3	A	Y	F970J335MAA	ECSH0JY335R
	4.7	A	Y	F970J475MAA	ECSH0JY475R
	6.8	A	Y	F970J685MAA	ECSH0JY685R
	6.8	B	X	F970J685MBA	ECSH0JX685R
	10	B	X	F970J106MBA	ECSH0JX106R
	15	B	X	F970J156MBA	ECSH0JX156R
	15	C	C	F970J156MCC	ECSH0JC156R
	22	C	C	F970J226MCC	ECSH0JC226R
	33	C	C	F970J336MCC	ECSH0JC336R
	47	N	D	F970J476MNC	ECSH0JD476R
68	N	D	F970J686MNC	ECSH0JD686R	
10V	2.2	A	Y	F971A225MAA	ECSH1AY225R
	3.3	A	Y	F971A335MAA	ECSH1AY335R
	4.7	A	Y	F971A475MAA	ECSH1AY475R
	4.7	B	X	F971A475MBA	ECSH1AX475R
	6.8	B	X	F971A685MBA	ECSH1AX685R
	10	B	X	F971A106MBA	ECSH1AX106R
	10	C	C	F971A106MCC	ECSH1AC106R
	15	C	C	F971A156MCC	ECSH1AC156R
	22	C	C	F971A226MCC	ECSH1AC226R
	33	N	D	F971A336MNC	ECSH1AD336R
47	N	D	F971A476MNC	ECSH1AD476R	
16V	0.68	A	Y	F971C684MAA	ECSH1CY684R
	1	A	Y	F971C105MAA	ECSH1CY105R
	1.5	A	Y	F971C155MAA	ECSH1CY155R
	2.2	A	Y	F971C225MAA	ECSH1CY225R
	2.2	B	X	F971C225MBA	ECSH1CX225R
	3.3	A	Y	F971C335MAA	ECSH1CY335R
	3.3	B	X	F971C335MBA	ECSH1CX335R
	4.7	B	X	F971C475MBA	ECSH1CX475R
	6.8	B	X	F971C685MBA	ECSH1CX685R
	6.8	C	C	F971C685MCC	ECSH1CC685R
	10	C	C	F971C106MCC	ECSH1CC106R
	15	C	C	F971C156MCC	ECSH1CC156R
	22	N	D	F971C226MNC	ECSH1CD226R
33	N	D	F971C336MNC	ECSH1CD336R	
20V	0.68	A	Y	F971D684MAA	ECSH1DY684R
	1.5	A	Y	F971D155MAA	ECSH1DY155R
	2.2	B	X	F971D225MBA	ECSH1DX225R
	3.3	B	X	F971D335MBA	ECSH1DX335R
	4.7	B	X	F971D475MBA	ECSH1DX475R
	4.7	C	C	F971D475MCC	ECSH1DC475R
	6.8	C	C	F971D685MCC	ECSH1DC685R
	10	C	C	F971D106MCC	ECSH1DC106R
	15	N	D	F971D156MNC	ECSH1DD156R
22	N	D	F971D226MNC	ECSH1DD226R	
25V	0.47	A	Y	F971E474MAA	ECSH1EY474R
	1	A	Y	F971E105MAA	ECSH1EY105R
	1.5	B	X	F971E155MBA	ECSH1EX155R
	2.2	B	X	F971E225MBA	ECSH1EX225R
	3.3	B	X	F971E335MBA	ECSH1EX335R
	3.3	C	C	F971E335MCC	ECSH1EC335R
	4.7	C	C	F971E475MCC	ECSH1EC475R
	10	N	D	F971E106MNC	ECSH1ED106R
15	N	D	F971E156MNC	ECSH1ED156R	

Rated Volt	Rated Capacitance (μF)	Case code		Part Number	
		Nichicon	Matsushita	Nichicon	Matsushita
35V	0.15	A	Y	F971V154MAA	ECSH1VY154R
	0.22	A	Y	F971V224MAA	ECSH1VY224R
	0.33	A	Y	F971V334MAA	ECSH1VY334R
	0.47	A	Y	F971V474MAA	ECSH1VY474R
	0.47	B	X	F971V474MBA	ECSH1VX474R
	0.68	A	Y	F971V684MAA	ECSH1VY684R
	0.68	B	X	F971V684MBA	ECSH1VX684R
	1	B	X	F971V105MBA	ECSH1VX105R
	1.5	B	X	F971V155MBA	ECSH1VX155R
	1.5	C	C	F971V155MCC	ECSH1VC155R
	2.2	B	X	F971V225MBA	ECSH1VX225R
	2.2	C	C	F971V225MCC	ECSH1VC225R
	3.3	C	C	F971V335MCC	ECSH1VC335R
	3.3	N	D	F971V335MNC	ECSH1VD335R
	4.7	N	D	F971V475MNC	ECSH1VD475R
	6.8	N	D	F971V685MNC	ECSH1VD685R
	10	N	D	F971V106MNC	ECSH1VD106R

※ Matsushita : Matsushita Electronic Components Co., Ltd.

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Add "BMA" to the end of the Nichicon Part number.