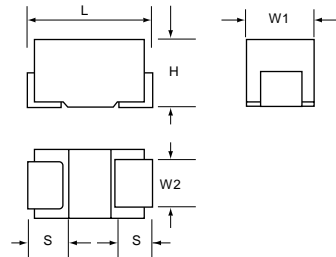


Compatible List of Part Number

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	1.25 ± 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	1.9 ± 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	φ180	2000	A	-	-
B	X	φ180	2000	A	-	-
C	C	φ180	500	C	750	M
-	V	φ180	500	C	-	-
N	D	φ180	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 (* Matsushita TE-L)

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
35V	33	N	D	F911E336MNC	EEJL1ED336R
	6.8	C	C	F911V685MCC	EEJL1VC685R
	10	N	D	F911V106MNC	EEJL1VD106R
35V	15	N	D	F911V156MNC	EEJL1VD156R
	22	N	D	F911V226MNC	EEJL1VD226R

* Matsushita : Matsushita Electronic Components Co., Ltd.
 (Now called Panasonic Electronic Devices Co., Ltd.)

Overseas Factory production items can be distinguished by adding "BMA" to the end of the Nichicon Part number.

F92 (* Matsushita TES)

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
	15	P	Z	F920G156MPA	ECST0GZ156R
6.3V	1.5	P	Z	F920J155MPA	ECST0JZ155R
	2.2	P	Z	F920J225MPA	ECST0JZ225R
	4.7	P	Z	F920J475MPA	ECST0JZ475R
	6.8	P	Z	F920J685MPA	ECST0JZ685R
	10	P	Z	F920J106MPA	ECST0JZ106R
10V	1	P	Z	F921A105MPA	ECST1AZ105R
	1.5	P	Z	F921A155MPA	ECST1AZ155R
	2.2	P	Z	F921A225MPA	ECST1AZ225R
	3.3	P	Z	F921A335MPA	ECST1AZ335R
	4.7	P	Z	F921A475MPA	ECST1AZ475R
16V	0.47	P	Z	F921C474MPA	ECST1CZ474R
	0.68	P	Z	F921C684MPA	ECST1CZ684R
	1	P	Z	F921C105MPA	ECST1CZ105R

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Overseas Factory production items can be distinguished by adding "BMA" to the end of the Nichicon Part number.

SOLID TANTALUM ELECTROLYTIC CAPACITORS

Compatible List of Part Number

F93 (* Matsushita TE)

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.
(Now called Panasonic Electronic Devices Co., Ltd.)

Overseas Factory production items can be distinguished by adding "BMA" to the end of the Nichicon Part number.

Compatible List of Part Number

F97 (* Matsushita TEH)

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	

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