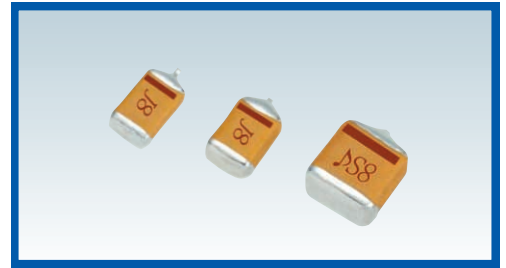


F95 series

■ Applications

- Mobile Audio player
- Digital still camera
- Digital video camcorder
- Mobile phone

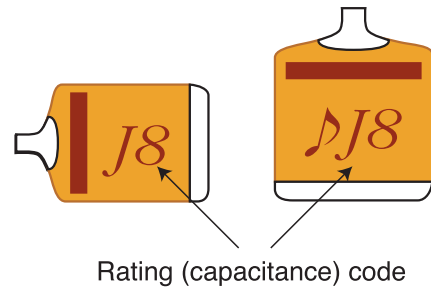


■ Feature

- Rich sound in the bass register and clear sound, Materials are strictly selected to achieve high level sound. F95 series has no lead-frame, and no vibration factor.
- Low ESR, Low ESL
- Line up miniature size and high capacitance, necessary to mobile design.

S·A case

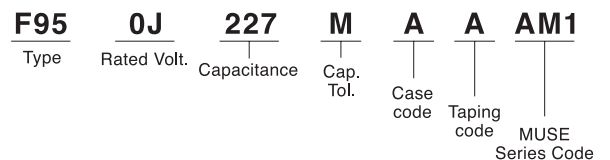
T·B case



■ Ratings

μF	V			
	code	4	6.3	10
68	W7	S	S·A	B
100	A8	S	A·T	B
150	E8	S	(A)	
220	J8	S·A·T	B	
330	N8	(T)·B	(B)	
470	S8	(B)		
680	W8	(B)		

■ Type numbering system (Example : 6.3V 220μF)

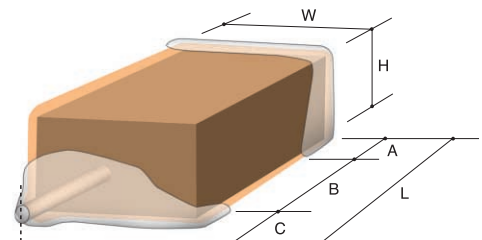


- 1) Type F95 conformal
- 2) Rated Voltage refer to Ratings table
- 3) Capacitance refer to Ratings table
- 4) Capacitance Tolerance M : ±20%
- 5) Case code refer to before sheet
- 6) Taping code A : 8mm pitch, φ180, R polarity
C : 12mm pitch, φ180, R polarity

() under development available Oct. 2005

■ Dimensions • Appearance

TYPE	Case	<mm>		
		L	W	H
F95	S	3.2±0.3	1.6±0.3	1.0±0.2
	A	3.2±0.3	1.7±0.3	1.4±0.2
	T	3.5±0.2	2.7±0.2	1.0±0.2
	B	3.3±0.3	2.7±0.3	1.8±0.2

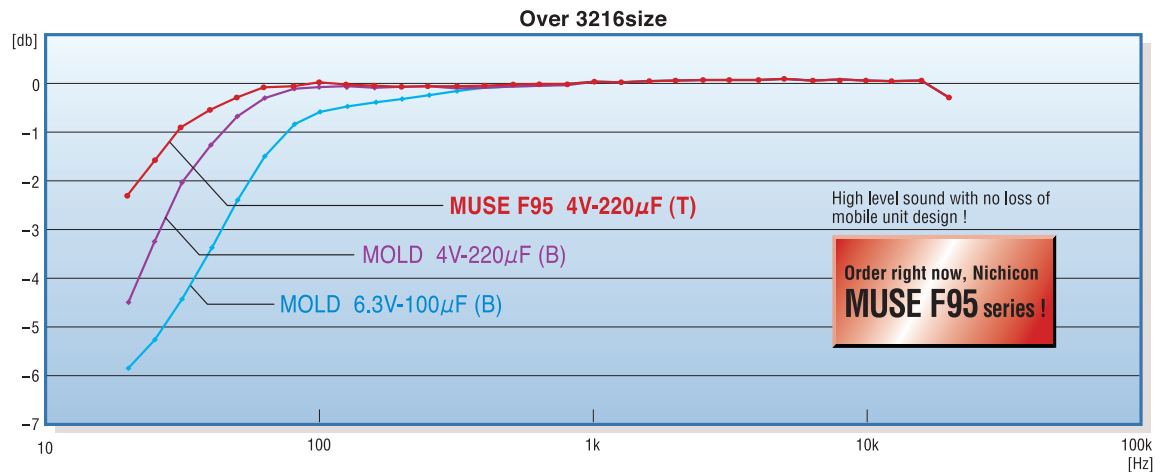


■ Specifications

Item		Characteristics	
Category Temperature Range		-55~+125°C	
Tolerance on Rated Capacitance		±20%	
Dissipation Factor		8~12% MAX (120Hz)	
E.S.R.		0.2~1.0Ω (100kHz)	
D.C. Leakage Current		0.5μA or < 0.01CV (25°C 1min.)	
Resistance to Soldering Heat 260°C 10sec. Reflow		ΔC/C	Within ±30% of the initial value
		Dissipation Factor	Whithin initial value
		Leakage Current	Whithin initial value
Endurance 85°C 2000h Rated Volt. Applied		ΔC/C	Within ±10% of the initial value
		Dissipation Factor	Whithin initial value
		Leakage Current	Whithin initial value
Damp Heat, Steady State 40°C 90%R.H. 500h Not Voltage applied		ΔC/C	Within ±10% of the initial value
		Dissipation Factor	Whithin initial value
		Leakage Current	Whithin initial value

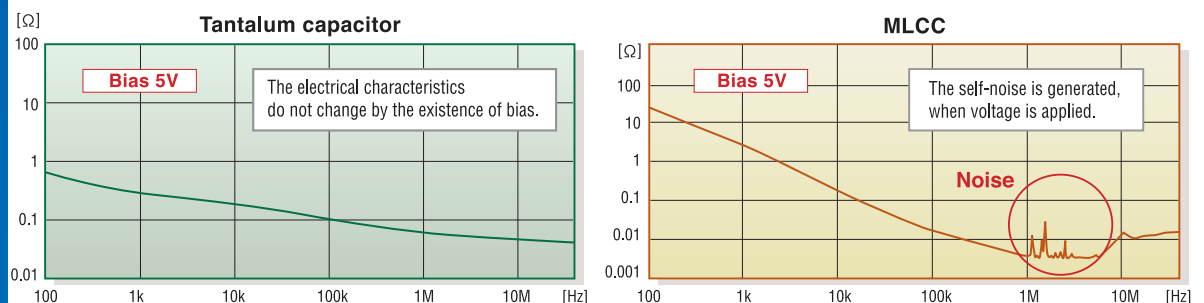
■ Characteristics Data

Evaluation of frequency characterizations examined by audio analyzer



MUSE F95 has flat characteristics in wide frequency.
In the listening evaluation, MUSE F95 realizes rich and clear sound.

Frequency characteristics comparison between tantalum capacitor and MLCC



Tantalum capacitor has a low ESR characteristics in the wide frequency.
MLCC generates a noise in a specific frequency.
Tantalum capacitor doesn't generate a noise.