

FX Series

Inverter Use

FX series is ideal for use in inverter at the illuminator and the like. This is miniature sized and has low impedance at high frequency and long life.



Specifications

Items		Specifications							
		Snap-in Type				Radial lead Type			
Rated voltage	(V)	160	180	200	400	160	180	200	400
Operating temperature	(°C)	-40 to +105			-25 to +105	-40 to +105			-25 to +105
Capacitance tolerance	(%)	±20 (120Hz)							
Tangent of loss angle(tan δ) (MAX.) (120Hz)		0.15				0.10			0.15
Leakage current (L.C.) (μA/after 2 min) (MAX.)		3√CV				0.02CV+25			
Impedance(120Hz)ratio at low temperature(MAX.)	Z _{-25℃} /Z _{20℃}	3			7	3			6
	Z _{-40℃} /Z _{20℃}	12			—	5			—
High-temperature load rated voltage applied.	Test	105℃ 5000hrs.			105℃ 2000hrs.				
	ΔC/C	Within ±20% of the initial value							
	tan δ	≤ Twice the initial standard							
	L.C.	≤ The initial standard							
Other characteristics		Conform to IEC 60384-4							

Size List

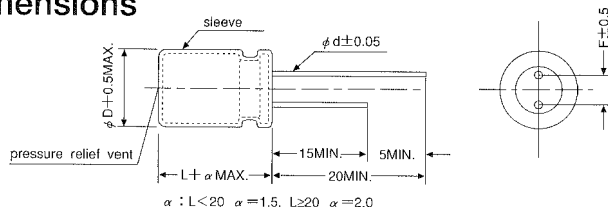
(φ D × Lmm)

V	160				180			
	Snap-in Type		Radial lead Type		Snap-in Type		Radial lead Type	
	Ripple current	φ 22	Ripple current	Standard	Ripple current	φ 22	φ 25	Ripple current
μF								Standard
15			0.27	10×12.5				0.28
22			0.37	10×16				0.38
33			0.49	10×20				0.50
47			0.61	12.5×20				0.62
68			0.65	12.5×25				0.66
82			0.67	16×25				0.68
100			0.70	16×25				0.71
150	0.8	22×25	0.81	16×30	1.0	22×25	25×20	0.85
220	1.2	22×25	1.06	16×35.5	1.2	22×30	25×25	1.08

V	200				400			
	Snap-in Type		Radial lead Type		Snap-in Type		Radial lead Type	
	Ripple current	φ 22	φ 25	Ripple current	Ripple current	φ 22	φ 25	φ 30
μF				Standard				Standard
15				0.30	10×16			0.14
22				0.40	10×20			0.19
33				0.51	12.5×20			0.24
47				0.63	12.5×25	0.4	22×20	0.33
68				0.67	16×25	0.5	22×25	0.41
82				0.68	16×25	0.7	22×30	0.46
100				0.71	16×30	0.8	22×35	25×30
150	1.0	22×25		0.88	18×35.5	1.0	22×45	25×35
220	1.3	22×30	25×25	1.09	18×41	1.3	25×45	30×35

MAX. permissible ripple current
(A r.m.s. 10k to 100kHz, 105°C)

Dimensions



(unit : mm)

φ D	10	12.5	16	18
F	5.0	5.0	7.5	7.5
φ d	0.6	0.6	0.8	0.8

Snap-in type is same as dimensions on page 54.

Model No. 400MV47FX Series name of low profile products is FXS

Capacitance symbol
Rated voltage