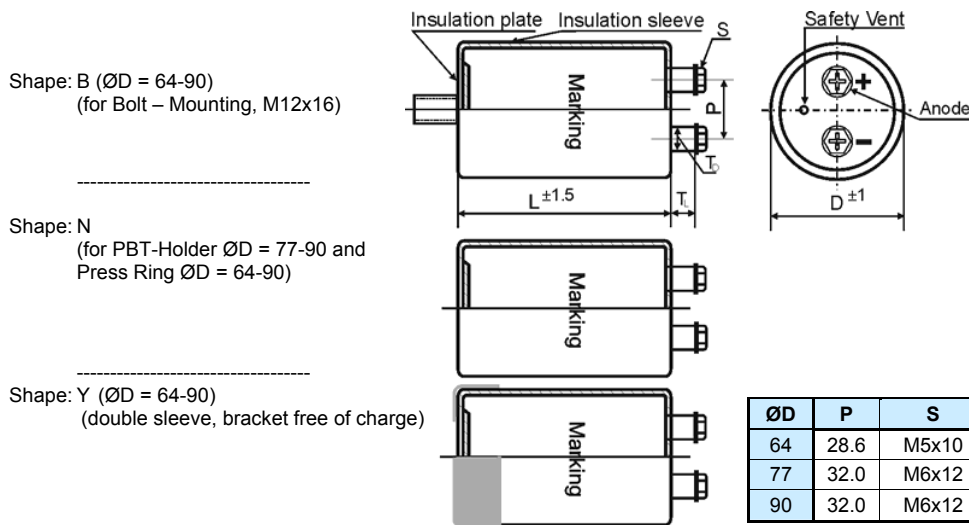


► **Specifications /**

Items	Characteristics
Temperature range	-40°C ~ + 85°C
Rated voltage $V_r$	350 VDC - 500 VDC
Surge voltage	Repetitive max. 30 sec per 6 Minutes
Leakage current max. $I_L$ (20°C, 5 min)	$0.01 \cdot C \cdot V_r$ [ $\mu$ A] or 3 mA, which is smaller.
Capacitance tolerance	+/- 20%
Useful life	12000 h at 85°C
Field failure rate	0.5 FIT = $0.5 \cdot 10^{-9}$ Failures/hour
Failure rate	Less than 0.1% within the useful life



► **Outline Drawing /**



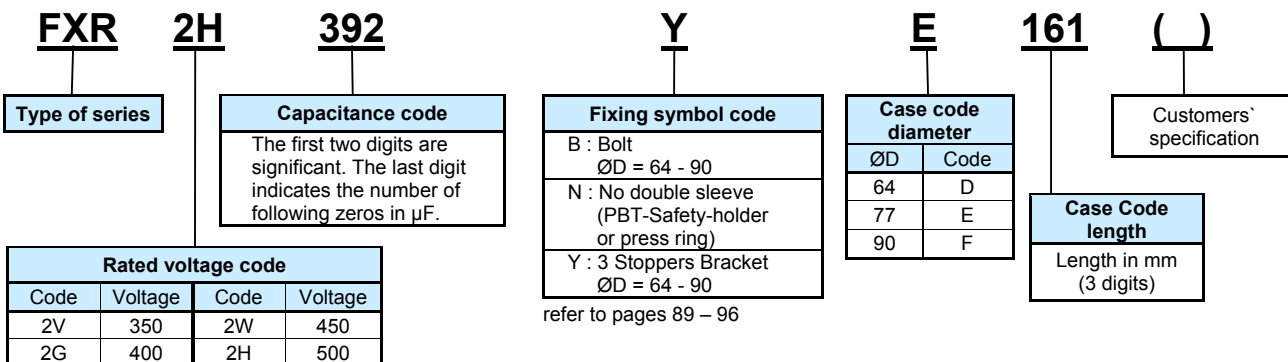
► **Ripple Current Multiplier /**

Frequency [Hz]	50/60	120	300	1k	≥ 10k
multiplier	0.80	1.00	1.18	1.34	1.45

Forced cooling [m/sec]	v < 0.5	v ≥ 0.5
multiplier	1.0	1.1

► **Product Code /**

Example: 3900µF 500V D=77mm L=161mm with Y-Bracket



Rated Voltage Code (Surge Voltage) $V_r$ [V DC]	Capacitance $C_r$ [ $\mu$ F]	Ripple Current at 40°C/120Hz [A RMS]	Ripple Current at 85°C/120Hz $I_r$ [A RMS]	ESR (typ) at 20°C/100Hz [m $\Omega$ ]	Zmax at 20°C/10kHz [m $\Omega$ ]	ESL (typ) [nH]	DxL [mm]	Product Code
350 2V (400)	3 900	33.6	16.8	19	21	18	64x115	FXR2V392□D115
	4 700	38.8	19.4	16	20	18	64x131	FXR2V472□D131
	5 600	45.6	22.8	14	18	18	64x155	FXR2V562□D155
		49.6	24.8	12	14	19	77x121	FXR2V562□E121
		51.2	25.6	13	15	19	90x106	FXR2V562□F106
	6 800	57.6	28.8	10	12	19	77x137	FXR2V682□E137
		60.2	30.1	11	13	19	90x121	FXR2V682□F121
	8 200	67.4	33.7	10	10	19	77x161	FXR2V822□E161
		69.2	34.6	12	12	19	90x137	FXR2V822□F137
10 000	82.2	41.1	9	9	19	90x161	FXR2V103□F161	
12 000	90.0	45.0	8	8	19	90x161	FXR2V123□F161	
400 2G (450)	2 700	26.4	13.2	24	25	18	64x100	FXR2G272□D100
	3 300	32.6	16.3	21	22	18	64x131	FXR2G332□D131
	3 900	38.0	19.0	18	20	18	64x155	FXR2G392□D155
		41.4	20.7	20	22	19	77x121	FXR2G392□E121
	4 700	41.6	20.8	15	20	18	64x155	FXR2G472□D155
		47.2	23.6	15	20	19	90x106	FXR2G472□F106
		47.8	23.9	14	18	19	77x137	FXR2G472□E137
	5 600	52.2	26.1	12	13	19	77x137	FXR2G562□E137
		54.8	27.4	13	15	19	90x121	FXR2G562□F121
	6 800	61.2	30.6	10	12	19	77x161	FXR2G682□E161
		63.0	31.5	11	14	19	90x137	FXR2G682□F137
	8 200	74.0	37.0	10	9	19	90x161	FXR2G822□F161
	10 000	82.2	41.1	9	9	19	90x161	FXR2G103□F161
450 2W (500)	2 200	24.0	12.0	42	45	18	64x100	FXR2W222□D100
		28.8	14.4	46	48	19	77x96	FXR2W222□E096
	2 700	29.4	14.7	38	40	18	64x131	FXR2W272□D131
		35.0	17.5	30	35	18	64x155	FXR2W332□D155
	3 300	35.4	17.7	30	35	19	77x121	FXR2W332□E121
		38.0	19.0	27	32	18	64x155	FXR2W392□D155
	3 900	41.4	20.7	25	31	19	77x121	FXR2W392□E121
		42.8	21.4	27	32	19	90x106	FXR2W392□F106
		47.8	23.9	18	19	19	77x137	FXR2W472□E137
	4 700	50.2	25.1	20	21	19	90x121	FXR2W472□F121
		55.6	27.8	15	18	19	77x161	FXR2W562□E161
	5 600	57.2	28.6	17	20	19	90x137	FXR2W562□F137
		67.6	33.8	14	12	19	90x161	FXR2W682□F161
8 200	74.0	37.0	10	10	19	90x161	FXR2W822□F161	
10 000	84.8	42.4	9	9	19	90x178	FXR2W103□F178	
500 2H (550)	1 500	19.8	9.9	74	80	18	64x115	FXR2H152□D115
	1 800	23.0	11.5	74	67	18	64x131	FXR2H182□D131
	2 200	27.0	13.5	53	50	18	64x155	FXR2H222□D155
	2 700	34.4	17.2	33	35	19	77x121	FXR2H272□E121
		33.8	16.9	31	34	19	90x106	FXR2H332□F106
	3 300	42.6	21.3	30	33	19	77x161	FXR2H332□E161
		43.6	21.8	26	33	19	90x121	FXR2H392□F121
	3 900	46.4	23.2	25	32	19	77x161	FXR2H392□E161
		47.2	23.6	28	23	19	77x178	FXR2H422□E178
	4 700	50.2	25.1	20	25	19	90x137	FXR2H472□F137
	5 600	58.2	29.1	18	22	19	90x161	FXR2H562□F161
6 800	66.8	33.4	16	15	19	90x178	FXR2H682□F178	

