

LIFE EXPECTANCY OF THE ALUMINUM ELECTROLYTIC CAPACITORS USED ON CPFE1000Fi12

Tambient =40C

REF. DESIG.	TLA PART NO.	RATED VOLTAGE (V)	CAPACITANCE (UF)	T(max) (deg. C)	SIZE (mm)	LOAD LIFE (HOURS)	T(case) (deg. C)	CALCULATED LIFE (YEARS) at 40C Tamb.	MANUFACTURER 1
C14	CBR22496	420	220	105	18 X 50	5,000	50	25.83	RUBYCON: 420CXW220MEFC18X50
C15	CBR22496	420	220	105	18 X 50	5,000	50	25.83	RUBYCON: 420CXW220MEFC18X50
C16	CBR22496	420	220	105	18 X 50	5,000	50	25.83	RUBYCON: 420CXW220MEFC18X50
C17	CBR22496	420	220	105	18 X 50	5,000	50	25.83	RUBYCON: 420CXW220MEFC18X50
C50	CBR22496	420	220	105	18 X 50	5,000	50	25.83	RUBYCON: 420CXW220MEFC18X50
C22	CBR10342	10	100	105	6 x 15	2,000	50	10.33	NICHICON: UPS1C101MEH
C23	CBR10342	10	100	105	6 x 15	2,000	50	10.33	NICHICON: UPS1C101MEH
C29	CBS22446	25	2200	105	18 x 20	10,000	50	51.66	RUBYCON: 25YXH2200MEFCGC18X20
C30	CBS22446	25	2200	105	18 x 20	10,000	50	51.66	RUBYCON: 25YXH2200MEFCGC18X20
							NOTE 1	NOTE 2	

LIFE EXPECTANCY OF THE ALUMINUM ELECTROLYTIC CAPACITORS USED ON CPFE1000Fi28

Tambient =40C

REF. DESIG.	TLA PART NO.	RATED VOLTAGE (V)	CAPACITANCE (UF)	T(max) (deg. C)	SIZE (mm)	LOAD LIFE (HOURS)	T(case) (deg. C)	CALCULATED LIFE (YEARS) at 40C Tamb.	MANUFACTURER 1
C14	CBR22496	420	220	105	18 X 50	5,000	50	25.83	RUBYCON: 420CXW220MEFC18X50
C15	CBR22496	420	220	105	18 X 50	5,000	50	25.83	RUBYCON: 420CXW220MEFC18X50
C16	CBR22496	420	220	105	18 X 50	5,000	50	25.83	RUBYCON: 420CXW220MEFC18X50
C17	CBR22496	420	220	105	18 X 50	5,000	50	25.83	RUBYCON: 420CXW220MEFC18X50
C50	CBR22496	420	220	105	18 X 50	5,000	50	25.83	RUBYCON: 420CXW220MEFC18X50
C22	CBR10342	10	100	105	6 x 15	2,000	50	10.33	NICHICON: UPS1C101MEH
C23	CBR10342	10	100	105	6 x 15	2,000	50	10.33	NICHICON: UPS1C101MEH
C29	CBS10447	50	1000	105	18 x 20	10,000	50	51.66	RUBYCON: 50YXH1000MEFCGC18X20
C30	CBS10447	50	1000	105	18 x 20	10,000	50	51.66	RUBYCON: 50YXH1000MEFCGC18X20
							NOTE 1	NOTE 2	

LIFE EXPECTANCY OF THE ALUMINUM ELECTROLYTIC CAPACITORS USED ON CPFE1000Fi48

Tambient =40C

REF. DESIG.	TLA PART NO.	RATED VOLTAGE (V)	CAPACITANCE (UF)	T(max) (deg. C)	SIZE (mm)	LOAD LIFE (HOURS)	T(case) (deg. C)	CALCULATED LIFE (YEARS) at 40C Tamb.	MANUFACTURER 1
C14	CBR22496	420	220	105	18 X 50	5,000	50	25.83	RUBYCON: 420CXW220MEFC18X50
C15	CBR22496	420	220	105	18 X 50	5,000	50	25.83	RUBYCON: 420CXW220MEFC18X50
C16	CBR22496	420	220	105	18 X 50	5,000	50	25.83	RUBYCON: 420CXW220MEFC18X50
C17	CBR22496	420	220	105	18 X 50	5,000	50	25.83	RUBYCON: 420CXW220MEFC18X50
C50	CBR22496	420	220	105	18 X 50	5,000	50	25.83	RUBYCON: 420CXW220MEFC18X50
C22	CBR10342	10	100	105	6 x 15	2,000	50	10.33	NICHICON: UPS1C101MEH
C23	CBR10342	10	100	105	6 x 15	2,000	50	10.33	NICHICON: UPS1C101MEH
C29	CBR33500	100	330	105	18 x 20	10,000	50	51.66	RUBYCON: 100YXH330MEFCGC18X20
C30	CBR33500	100	330	105	18 x 20	10,000	50	51.66	RUBYCON: 100YXH330MEFCGC18X20
							NOTE 1	NOTE 2	

NOTE 1:

DATA FROM MANUFACTURER'S SPECIFICATIONS

NOTE 2:

CALCULATED FROM FORMULA $L=Lo \times 2^{-(Tmax-Tcase)/10}$