Capacitors

105°C Radial Electrolytic Capacitors

Specification:

Operating temperature range:	-40 to +105°C
Rated working voltage:	See table (voltage)
Capacitance tolerance (120hz 25°C):	20% (M)
Leakage current (25°C):	I ≤ 0.01CV + 3(μA)

I = Leakage current (mA)
C = rated capacitance (μF)
V = Working voltage (V)

Low temperature characteristics:

Working voltage	6.3	10	16	25	35	50	63
-25°C/+20°C	4	3	2	2	2	2	2
-40°C/+20°C	8	6	4	3	3	3	3

For capacitance value > 1000pF – Add 0.5 per extra 1000μF for -25°C/+20°C
Add 1.0 per extra 1000μF for -40°C/+20°C

Washability: 5 mins in Freon TE, Arklone AM or equivalents

High temperature loading: **Test conditions:**

Duration:	2000 hours(1000 hours for ≤∅0.8mm products
Ambient temperature:	+105°C
Applied voltage:	DC voltage with maximum permissible ripple current specified at +105°C (sum of the DC voltage and superimposed peak AC voltage for maximum permissible ripple current should be equal to rated DC working voltage

Post test requirements @ +20°C:

Leakage current:	≤ Initial specified value
Capacitance change:	≤ +20% of initial measured value
Tan d:	≤ 200% of initial specified value

Information:

Case Size*	Capacitance	Ripple current**	Voltage
A	47µF	60mA	16V
B	100µF	100mA	
C	220µF	170mA	
D	470µF	270mA	
F	1000µF	490mA	
G	2200µF	700mA	
A	22µF	44mA	25V
A	47µF	65mA	
B	100µF	110mA	
C	220µF	180mA	
E	470µF	320mA	
G	1000µF	530mA	
A	10µF	37mA	35V
A	22µF	55mA	
B	47µF	80mA	
C	100µF	140mA	
D	220µF	220mA	
F	470µF	400mA	
G	1000µF	590mA	
A	1µF	13mA	63V
A	2.2µF	19mA	
A	4.7µF	28mA	
A	10µF	37mA	
B	22µF	60mA	
C	47µF	100mA	
E	100µF	160mA	

Dimensions:

Case	L	D	F
A	11	5	2
B	11	6.3	2.5
C	11	8	3.5
D	12.5	10	5
E	16	10	5
F	21	10	5
G	25	12.5	5
H	26	16	7.5