Feature

The Polymer Capacitor(PCS Series) have inherently low ESR(equivalent series resistance) and are capable of higher ripple current handling, producing lower ripple voltages, less power and heat dissipation than standard product for the most efficient use of circuit power.

The Polymer Capacitor has the same structure as a Mn02 type chip tantalum capacitor. It has conductive polymer cathode as a substitute for Mn02 type.

Specifications

Capacitance	Range	4.7㎌ to 330㎌		
	Tolerance	±20%(M)		
Dissipation Factor (Tan δ)		Refer to Specification		
Leakage Current		Refer to Specification		
Rated Voltage(VR)		2.5	6.3	10.0
Category Voltage(V)	T≤85℃	2.5	6.3	10.0
	85℃＜T≤105℃	2.0	5.0	8.0
Surge Voltage(V)	T≤85℃	3.1	8.0	13.0
	85℃＜T≤105℃	2.5	6.3	10.0
Operating Temperature		-55℃ to 105℃		

Standard Value and Case Size

Cap.(㎌) \ R.V	2.5V(0E)	6.3V(0J)	10V(1A)
4.7 (475)			P
100 (107)		B	
150 (157)		B, L	
220 (227)	B		
330 (337)	(B)		

( ) : Under Development

Ratings & Part Number Reference

Part Number	Case Size	Capacitance (㎌)	DC Leakage (㎂) @+25℃ Max.	DF(%) @+25℃ 120Hz Max.	ESR(mΩ) @+25℃ Max.
2.5 volt Rating@+85℃(2.0 volt Rating@+105℃)					
TCPCS0E227MBAR0035	B(3528)	220	55	8	35
6.3 volt Rating@+85℃(5.0 volt Rating@+105℃)					
TCPCS0J107MBAR0070	B(3528)	100	63	8	70
TCPCS0J107MBAR0045	B(3528)	100	63	8	45
TCPCS0J107MBAR0040	B(3528)	100	63	8	40
TCPCS0J157MBAR0035	B(3528)	150	94.5	8	35
TCPCS0J157MBAR0070	B(3528)	150	94.5	8	70
TCPCS0J157MLAR0200	35281.5T	150	94.5	10	200
10 volt Rating@+85℃(8 volt Rating@+105℃)					
TCPCS1A475MPAR1000	P(2012)	4.7	5	6	1000

Precautions in using Tantalum Capacitors
4 Characteristics Explanation
SCN Series
SCS Series
SCS-P Series
SCM Series
SCF Series
SCE Series
SCL Series
PCS Series
PCL Series
Marking Specification
Taping Specification