

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







Explanation of part numbers

Part number system



Rated voltage 1 to 3 figures

Rated voltage	Code
2.0	2
2.5	2R5 or E
4.0	4
6.3	6
8.0	8
10	10
11	11
12.5	12
16	16 or 1C
20	20
25	25
35	35
	•

Series name 3 to 4 figures

Series	Code
TPB	TPB
TPC	TPC
TPE	TPE
TPF	TPF
TPG	TPG
TPH	TPH
TPSF	TPSF
TPU	TPU
TAB	TAB
TAE	TAE
THB	THB
THC	THC
THE	THE
TQC	TQC
TQS	TQS
TVE	TVE
TCE	TCE
TCF	TCF

Rated capacitance 2 to 4 figures

₩			
Rated capacitance	Code		
2.7	2R7		
3.9	3R9		
4.7	4R7		
5.6	5R6		
6.8	6R8		
8.2	8R2		
10	10		
15	15		
22	22		
33	33		
47	47		
56	56		
68	68		
82	82		
100	100		
120	120		
150	150		
220	220		
270	270		
330	330		
470	470		
680	680		
1,000	1000		

1,500

1500

Capacitance tolerance 1 figure

▼		
Capacitance tolerance	Code	
±20%	М	



1 figure		0 to 4	figures
acitance erance	Code		
000/		1	

		\downarrow
	Standard	
	TPE series	
	ESR 35mΩ max	ZB
	ESR 25mΩ max	PB
	ESR 21mΩ max	LB
	ESR 15mΩ max	FB
B2 size	ESR 15mΩ/300kHz max	FGB
DZ SIZE	ESR 35mΩ max 85℃	AZB
	ESR 25mΩ max 85°C	APB
	ESR 15mΩ max 85℃	AFB
	ESR 13mΩ/300kHz max 85℃	ADGB
	ESR 11mΩ/300kHz max 85℃	AJGB
D15E size	ESR 35mΩ max 85℃	AZU
D2E size	ESR 25mΩ max 85℃	AP
	ESR 25mΩ max	L
	ESR 18mΩ max	IL
	ESR 15mΩ max	FL
D3L size	ESR 12mΩ max	CL
	ESR 10mΩ max	AL
	ESR 25mΩ max 85°C	AL
	ESR 9mΩ/500kHz max 85℃	A9EL
	TPG series	
B1G size	ESR 35mΩ/300kHz max•	ZGD
TPH series		
A09 size	ESR 150mΩ max	AHA
AU9 SIZE	ESR 100mΩ max	AEA
A14 size	ESR 70mΩ max	ABC
	TPB series	
	D3L size	L
	TPC series	
	85℃	А
	B1 size	В

		•
	Standard	Code
	TPF series	
	ESR 9mΩ max	9L
D3L size	ESR 7mΩ max	7L
D3L Size	ESR 6mΩ max	6L
	ESR 5mΩ max	5L
	ESR 10mΩ max	AH
D4 size	ESR 6mΩ max	6H
	ESR 5mΩ max	5H
	TPU series	
	S09 size	SI
	B09 size	BI
	TQC series	
Cap	pacitance enlarged type	YF
Capaci	tance enlarged type(B size)	YFB
Capaci	tance enlarged type(D12 size)	YFS
Capaci	tance enlarged type(D15 size)	YFT
Capacitance enlarged type(D2 size)		YFD/D2
	TQS series	
	ESR 70 mΩ max	BD
	ESR 100 mΩ max	ED
	ESR 150 mΩ max	HD
All series		
ESR 55mΩ max		G
	ESR 45mΩ max	V
ESR 40mΩ max		W
ESR 35mΩ max		Z
ESR 18mΩ max		I
ESR 15mΩ max		F
ESR 12mΩ max		С
ESR 9mΩ max		9
ESR $7mΩ$ max		7
ESR 6mΩ max		6
ESR 5mΩ max		5
E:	SR 35mΩ/300kHz max	ZG
ESR 30mΩ/300kHz max		UG
ESR 9mΩ/300kHz max		9G
ESR 6mΩ/500kHz max		6E
ESR 4mΩ/500kHz max		4E