

FEATURES

- Small size
- Excellent Break down voltage, low DF
- Suit to re-flow soldering, wave soldering, hand soldering

TS18H

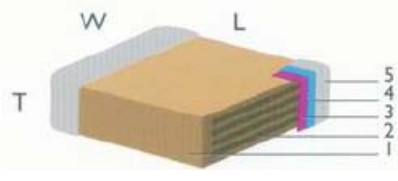
APPLICATIONS

- TS18 SMD is widely used in Analog & Digital Modems, LAN/WAN Interface, Lighting Ballast Circuits, Voltage Multipliers, DC-DC Converter, Back-lighting Inverters.

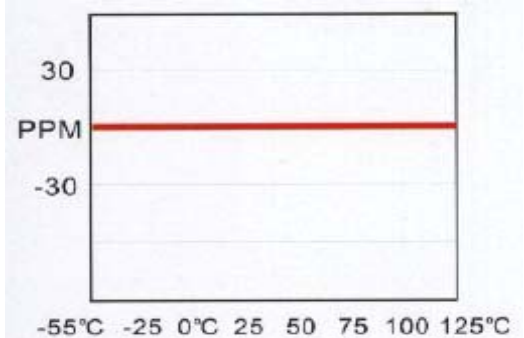
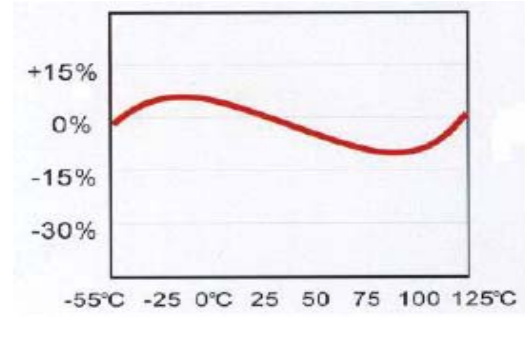


OUTSIDE DIMENSION

Type		Dimension (inches)	
British expression	Metric expression	Length(L±0.1)	Width(W±0.1)
0603	1608	0.06	0.03
0805	2012	0.08	0.05
1206	3216	0.12	0.06
1210	3225	0.12	0.10
1808	4520	0.18	0.08
1812	4532	0.18	0.12
2225	5763	0.22	0.20



Coefficient

Parameter	NPO Temperature Wave	X7R Temperature Wave	
Temperature Coefficient			
Dissipation Factor	DF≤0.15%	DF≤2.50%	
Aging	None	≤2.5% decade hour	
Insulation Resistance	≥100GΩ	≥500ΩF OR 50 GΩ	
Dielectric Strength	Rated Voltage	Test Voltage	Time
	Ur=100V	2.5Ur	60 ± 5S
	200V≤Ur≤1000V	1.5Ur	60 ± 5S
	Ur>1000V	1.2Ur	60 ± 5S

TS18H

Capacitance & Voltage

Size	Rated Voltage	Capacitance Range (pF)		Size	Rated Voltage	Capacitance Range (pF)		
		NPO	X7R			NPO	X7R	
0603	100V	1 ~ 470	100~22 000	1812	100V	3.3~8 200	220~470 000	
	200V	1~330	100~8 200		200V	3.3~6 800	220~180 000	
0805	100V	1~1 000	100~56 000		500V	3.3~4 700	220~150 000	
	200V	1~820	100~27 000		1000V	3.3~1 200	220~27 000	
	500V	1~560	100~12 000		2000V	3.3~390	220~12 000	
1206	100V	1.5~3 300	100~220 000		3000V	3.3~270	220~5 600	
	200V	1.5~2 200	100~120 000		4000V	3.3~220	220~1 500	
	500V	1.5~1 000	100~56 000		2225	100V	10~12 000	470~1000 000
	1000V	1.5~680	100~12 000			200V	10~8 200	470~1000 000
	1000V	1.5~10	100~5 600			500V	10~5 600	470~470 000
1210	100V	2~5 600	150~330 000	1000V		10~2 700	470~68 000	
	200V	2~3 900	150~150 000	2000V		10~1 000	470~33 000	
	500V	2~2 200	150~100 000	3000V	10~680	470~4 700		
	1000V	2~820	150~15 000	4000V	10~560	470~3 900		
	2000V	2~470	150~8 200	3035	100V	10~56 000	470~2200 000	
1808	100V	2~3 900	150~390 000		200V	10~47 000	470~2200 000	
	200V	2~3 000	150~180 000		500V	10~12 000	470~1000 000	
	500V	2~1 800	150~120 000		1000V	10~10 000	470~390 000	
	1000V	2~820	150~22 000		2000V	10~5 600	470~270 000	
	3000V	2~150	150~2 700		3000V	10~3 900	470~8 200	
	4000V	2~100	150~1 000		4000V	10~560	470~3 000	

Note: Specification are subject to change without notice. For more detail and update, please visit our website.