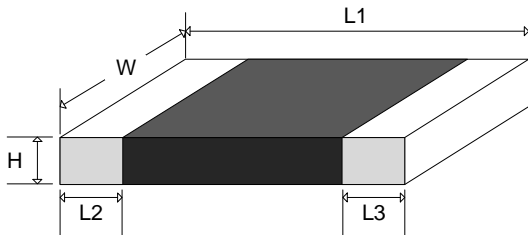




ATC SM Series – SMD NTC Thermistors

ATC's SM series SMD NTCs are available in 4 sizes from 0201 to 0805 with a wide range of resistance values and tolerances. Suitable for battery packs, mobile phones, LCD displays, TCXOs and numerous other applications where temperature control, monitoring or compensating is required.



Series	Size	L1	W	H max.	L2/L3
SMA	0201	0.60±0.05	0.30±0.05	0.35	0.15±0.05
SM0	0402	1.00±0.15	0.50±0.10	0.60	0.20±0.10
SM1	0603	1.60±0.15	0.80±0.15	0.95	0.40±0.15
SM2	0805	2.00±0.20	1.25±0.20	1.00	0.40±0.20

Part No.	Zero Power Resistance At 25°C	R25 Tolerance	B Value*	B Value Tolerance	Max. power rating at 25°C	Thermal dissipation constant	Thermal time constant	Operating temp range	Format
	R25 (kΩ)								
103SMA5A-#P	10	1,2,3,5	3380	1~3	140	1.4	1.2	-40~+125	0201
683SMA5A-#P	68		4250						
104SMA5A-#P	100		4250						
103SM08A-#P	10		3435						
103SM08B-#P	10		3950		170	1.7	2.0	-40~+125	0402
223SM08A-#P	22		3950						
333SM08A-#P	33		4050						
473SM05A-#P	47		4050						
683SM08A-#P	68		4100						
104SM05A-#P	100		3540						
104SM08A-#P	100		4050						
104SM08B-#P	100		4360						
104SM05B-#P	100		4800		210	2.1	3.1	-40~+125	0603
224SM05A-#P	220		4700						
202SM18A-#P	2		3400						
472SM18A-#P	4.7		3435						
472SM18B-#P	4.7		3700						
502SM18A-#P	5		3435						
502SM18B-#P	5		3850						
682SM18A-#P	6.8		3435						
682SM18B-#P	6.8	3950							
103SM18A-#P	10	3435							
103SM18B-#P	10	3975							
103SM15A-#P	10	4200	240	2.4					
223SM18A-#P	22	3920							
473SM18A-#P	47	3975							
683SM18A-#P	68	3975							
104SM15A-#P	100	3550							
104SM18A-#P	100	4050							
104SM18B-#P	100	4360							
154SM18A-#P	150	4060							
204SM18A-#P	200	4100							
224SM15A-#P	220	4600							
474SM18A-#P	470	4150							
502SM28A-#P	5	3435							
103SM28A-#P	10	3435							
103SM28B-#P	10	3950							
473SM28A-#P	47	3975							
104SM28A-#P	100	4050							

Note 1: # = Resistance (R25) Tolerance; 1 = 1%, 2 = 2%, etc.

Note 2: *B Value Ranges, 6th digit in part #: 5 = B25/50, 8 = B25/85.

For further information please contact us at sales@atcsemitec.co.uk