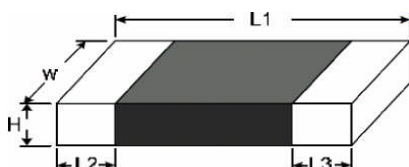


ATC SM Series SMD NTC Thermistors

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 temperature range	Format
	R25 (kΩ)	(±%)	(K)	(±%)	P _{max} (mW)	δ(mW/°C)	T _c (s)	(°C)	EIA Size
103SMA5A-#P	10	1, 2, 3, 5	3380	1~3	140	1.4	1.2	-40~+125	0201
683SMA5A-#P	68		4250						0201
104SMA5A-#P	100		4250						0201
103SM08A-#P	10		3435		170	1.7	2.0	-40~+125	0402
103SM08B-#P	10		3950						0402
223SM08A-#P	22		3950						0402
333SM08A-#P	33		4050						0402
473SM05A-#P	47		4050						0402
683SM08A-#P	68		4100						0402
104SM05A-#P	100		3540						0402
104SM08A-#P	100		4050						0402
104SM08B-#P	100		4360						0402
104SM05B-#P	100		4800						0402
224SM05A-#P	220		4700						0402
202SM18A-#P	2		3400		210	2.1	3.1	-40~+ 125	0603
472SM18A-#P	4.7		3435						0603
472SM18B-#P	4.7		3700						0603
502SM18A-#P	5		3435						0603
502SM18B-#P	5		3850						0603
682SM18A-#P	6.8		3435						0603
682SM18B-#P	6.8		3950						0603
103SM18A-#P	10		3435						0603
103SM18B-#P	10		3975						0603
103SM15A-#P	10		4200						0603
223SM18A-#P	22		3920						0603
473SM18A-#P	47		3975						0603
683SM18A-#P	68		3975						0603
104SM15A-#P	100		3550						0603
104SM18A-#P	100		4050						0603
104SM18B-#P	100		4360						0603
154SM18A-#P	150		4060						0603
204SM18A-#P	200		4100						0603
224SM15A-#P	220		4600						0603
474SM18A-#P	470		4150						0603
502SM28A-#P	5		3435		240	2.4	5.4	-40~+125	0805
103SM28A-#P	10		3435						0805
103SM28B-#P	10		3950						0805
473SM28A-#P	47		3975						0805
104SM28A-#P	100		4050						0805

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.