



“SC/MC” Series for Healthcare

Features

- 400 Series Compatible
- Standard Curves Available
- Interchangeability/accuracy from $\pm 0.05^{\circ}\text{C}$ to 0.2°C
- Small Size Fast Response
- 0 to 50°C operating range
- Fully Electrically Insulated

Applications

- Digital Thermometers
- Subassemblies for Small Medical Sensors
- Glucose Meters
- Incubators
- Medical Equipment (I.e. Blood Analysis, Dialysis)



Resistance vs. Temperature

Temp ($^{\circ}\text{C}$)	F (Rt/R25)	G (Rt/R25)	10KY (Rt/R25)
0	3.274	3.522	2.956
5	2.544	2.697	2.350
10	1.992	2.081	1.881
15	1.572	1.618	1.515
20	1.250	1.268	1.227
25	1.000	1.000	1.000
30	0.8056	0.7942	0.8195
35	0.6530	0.6348	0.6752
40	0.5326	0.5106	0.5592
45	0.4369	0.4131	0.4655
50	0.3604	0.3362	0.3893

SKU	Description	Res. @ 25°C	Tol. @ 37°C	RvT	OD	Lead Len.	Lead Type
505704	SC30F103A	10K ohm	$\pm 0.05^{\circ}\text{C}$	F	0.032"	1.5"	#38 AWG Ni
506807*	SC30F103V	10K ohm	$\pm 0.10^{\circ}\text{C}$	F	0.032"	1.5"	#38 AWG Ni
505705*	SC30F103W	10K ohm	$\pm 0.20^{\circ}\text{C}$	F	0.032"	1.5"	#38 AWG Ni
505710*	SC30Y103W	10K ohm	$\pm 0.20^{\circ}\text{C}$	10KY	0.032"	1.5"	#38 AWG Ni
505718	SC50F103W	10K ohm	$\pm 0.20^{\circ}\text{C}$	F	0.050"	1.5"	#32 AWG Cu
504506	MC65F232A	2252 ohm	$\pm 0.05^{\circ}\text{C}$	F	0.065"	3.0"	#38 AWG Ni
504510	MC65F502B	5K ohm	$\pm 0.10^{\circ}\text{C}$	F	0.065"	3.0"	#38 AWG Ni
504482*	MC65F103A	10K ohm	$\pm 0.05^{\circ}\text{C}$	F	0.065"	3.0"	#38 AWG Ni
504490*	MC65F103B	10K ohm	$\pm 0.10^{\circ}\text{C}$	F	0.065"	3.0"	#38 AWG Ni
504497	MC65F103C	10K ohm	$\pm 0.15^{\circ}\text{C}$	F	0.065"	3.0"	#38 AWG Ni
504517	MC65G503B	50K ohm	$\pm 0.10^{\circ}\text{C}$	G	0.065"	3.0"	#38 AWG Ni

Amphenol
Advanced Sensors

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