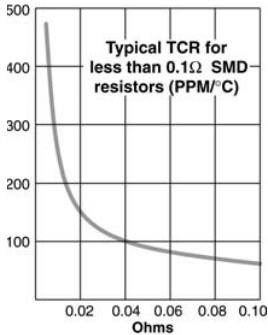
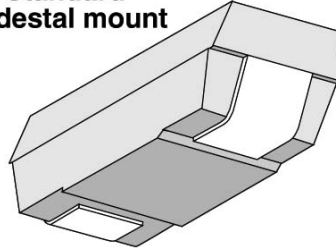


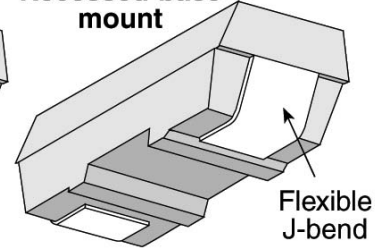
SMC05 Series Carbon composition SMW15 & SM35 Series Wirewound



Standard pedestal mount



Recessed-base mount

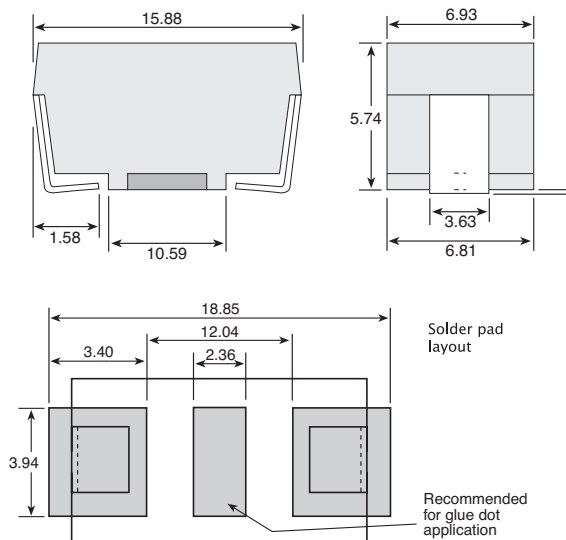


Flexible J-bend

Series	Power	Ohms	Dimensions (in. / mm)			Voltage
			Length	Height	Width	
SMC05	0.50	2.2–20M	0.625 / 15.88	0.226 / 5.74	0.273 / 6.93	350
SMW15	1.50	0.005–1.5K	0.394 / 10.00	0.159 / 4.04	0.159 / 4.04	75
SMW35	3.50	0.005–25K	0.811 / 20.60	0.273 / 6.93	0.273 / 6.93	350

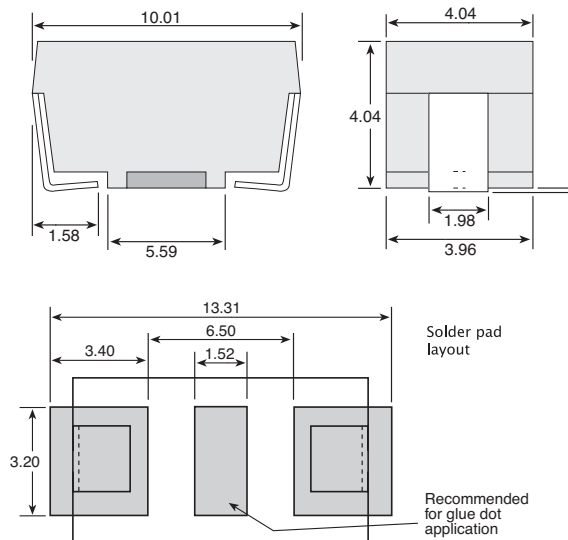
Part No.	Power (watts)*	Maximum voltage	Resistance range		Temp. Coefficient ppm/°C			Dielectric Withstanding	Tape Size 13" reels	Quantity per reel
			1% tol.	5% tol.	0.1Ω–1Ω	1Ω–10Ω	10Ω+			
SMC05	0.50	350	—	2.2Ω–20M	—	±400	±400	1000V	24mm	1000
SMW15	1.5	75	0.005Ω–15K	0.005Ω–25K	±90	±50	±20	1000V	16mm	1500
SMW35	3.5	350	0.005Ω–25K	0.005Ω–25K	±90	±50	±20	1000V	32mm	750

SMC05 size



Dimensions in mm

SMW15 size



Dimensions in mm

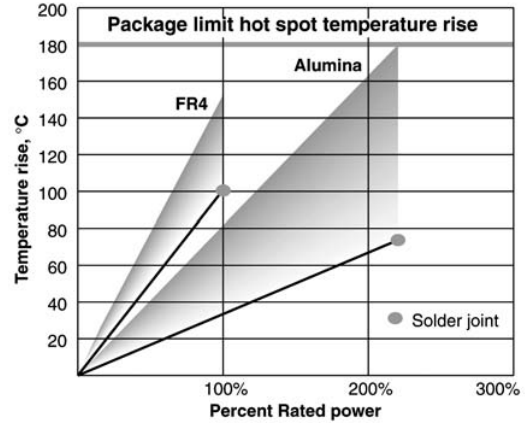
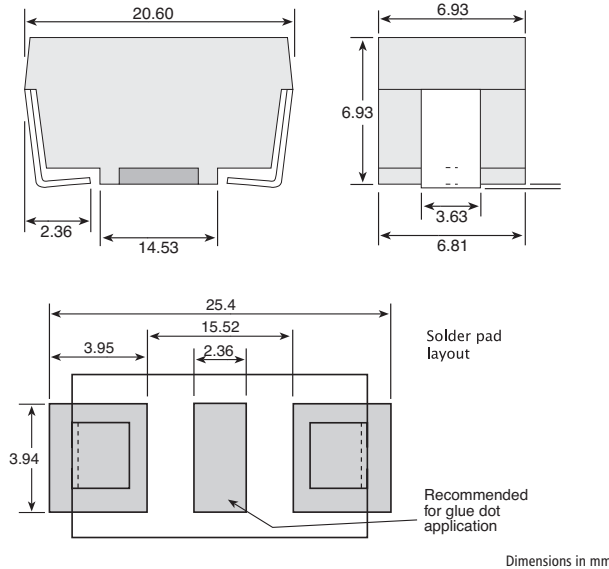


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SMW35 size



The temperature rise graph data was obtained by a selection of test substrate size and trace width for each resistor size to limit operating temperatures to safe values.

The operating temperature safe rises are either 100°C substrate temperature rise or 180°C package hot spot temperature rise at 25°C ambient.

FR4: 0.062 in. thick; 0.062 in. traces

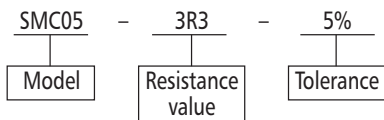
Alumina: 0.040 in. thick; 0.010 in. traces

Molding material rated at 205°C continuous.

Construction	Temp. cycle (-55°C to 125°C, 1000 cycles)	Load Life (1000 hours at 25°C)	Immersion (260°C for 10 sec.)	Momentary Overload
SMC05 Carbon/Ceramic Composition	±4.0%+.05Ω	±10.0%+.05Ω	±3.0%+.05Ω	6.3x rated power for 5 sec.
SMW15 & SMW35 Wirewound	±0.5%+.05Ω	±3.0%+.05Ω	±0.1%+.05Ω	5x rated power for 5 sec.

ALL models: Leaching (260°C Solder immersion, 60 sec.)..... No visible leaching
 Thermal Shock (Units at -55°C, then rated power applied).. No mechanical damage
 Flammability UL Material rating, UL94V0

Ordering information



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