REACH

RoHS Lead Free

EDCON COMPONENTS
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DATA SHEET

SMD Molded Power Resistor Dimension (6,50x3,08x3,80mm)

Serie: X65006

									SMD Molded Power Resistor Dimension (6,50x3,08x3,80mm)	
									Serie No.:	**X65006**
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	26.04.2024	Customer:
APPD:	Schumi			FINISH	Jamy			Sheet No.	1 from 4	
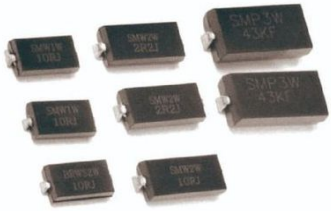
Technical Description

SPECIFICATIONS

Range	Standard PPM	Optional PPM		
R001~R024	400ppm	100, 200ppm	Test the resistance value at normal temperature and normal temperature added 100°C, calculate per °C resistance value change rate.	Temperature coefficient
R025~R049	300ppm	100, 200ppm		
R050~R099	200ppm	50, 100ppm		
1R0 ~ 9R90	100ppm	10,20,30,50ppm		
10R ~ 1,2KR	50ppm	5,10,20,30ppm		
Δ≤± (2%R0+0.05Ω)			POWER RATEDX 2.5 TIMES, 5S	Short time overload
Δ≤± (1%R0+0.05Ω)			Immerge into 350 ±10° tin stove for 2~3 secounds.	Resistance to soldering heat
The area of solder ing is over 95%			Immerge into 260 ±50° tin stove for 2~3 secounds.	Solderability
ΔR≤± (1%R0+0.05Ω)			at -55°C for 30min, then at +25°C for 10~15min, then at +125°C for 30min, then at +25°C for 10~15min, total 5 cycles	Temperatur cycling
ΔR≤± (5%R0+0.05Ω)			Overload rated Voltage or Max, working voltage (get the lower) for 1000hours (1,5hours on and half.hour off) at the 40± 2°C and 90~95% relative humidity.	Load Life humidity
ΔR≤± (5%R0+0.05Ω)			Overload rated Voltage or Max, working voltage (get the lower) for 1000hours (1,5hours on and half.hour off) at the 70± 2°C .	Load life in heat
No visible flame			Respvoltage by 5, 10,16 times rated power for 5 minutes	Nonflammibility

Applications & Features

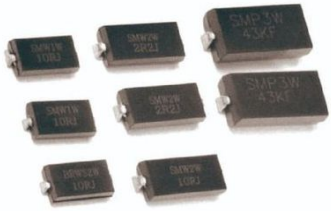|	
Communications equipment, instrumentst and meters, medical electronic equipment, test and measurement equipment, automotive electronics, industrial products, LED lamp fuse, special power supply and various electronic eqiupment.	
The product shows excellent stability and sudden wafe safety, which is heat-resistance, moisture-proof, flame-retardent, bearing high current, low temperature coefficient and high precision. It can be made into ordinary type and customized fuse type, and has wide application	
Miniaturization, high densitiy insertion, good heat resistance and low surface temperature rise. Meet the requirements of lead free (Pb) and lead-containing welding process.	
It can be used in automatic surface mounting (SMD) assembly systems. They are suitable for automatic welding by reflow soldering and wave soldering.	**SMD Molded Power Resistor Dimension (6,50x3,08x3,80mm)**
Accurance range of resistance Tol:. +/-5%, +/-1% , +/-2%, +/- 0,5%, +/-0,1%	

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Drawing / Technical Dimension (mm)

Serie	Size	Power (W)	L (Max.)	L1 ±0.3	L2 ±0.3	L3 ±0.3	L4 ±0.3	H ±0.3	H1 ±0.3	W ±0.3	W1 ±0.3	Range	Tolerance	PPM Range
X65006	3865	1	7,70	6,50	1,30	3,50	0,90	3,08	2,85	3,80	1,40	0R1 ~ 200R	1% ~ 5%	25 ~ 300PMM

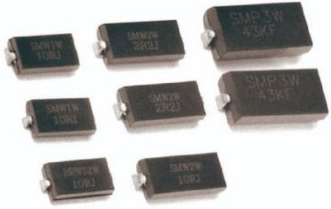SMW0407
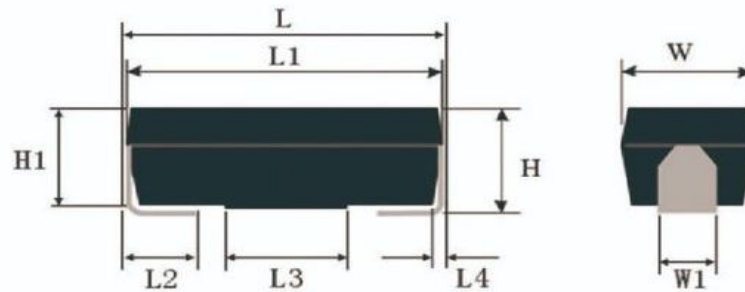
Resistors POWER DERATING CURVE

SMD Molded Power Resistor Dimension (6,50x3,08x3,80mm)

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Ordering Informations

Serie		Range	Resistance Tolerance	PPM Tolerance	Power Rating	ROHS	Packing Code				
X65006	-	100	J	300	C	R	TR				

SMW0407

Range	Resistance Tolerance	PPM Tolerance	Power Rating	ROHS	Packing Code
100= Range 10R	**J=** Tolerance 5%			**R=** ROHS Conform	**TR=** Tape/Reel
101= Range 100R	**G=** Tolerance 2%	**300=** PPM Tolerance		**N=** NON ROHS Conform	**IV=** Individual Package
1R0= Range 1,0R	**F=** Tolerance 1%	**100=** PPM Tolerance	**C=** 1Watt		
0R1= Range 0,1R		**050=** PPM Tolerance			
		030= PPM Tolerance			
		025= PPM Tolerance			

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