

Vishay Dale

# Wirewound Resistors, Two and Four Terminal, Low Ohmic Value for Current Sensing



MODELS SPR0676 SPR2039 SPR2093

Special Purpose Open Style Designed for Printed Circuit Boards

STANDARD ELECTRICAL SPECIFICATIONS					
GLOBAL MODEL	HISTORICAL MODEL	WATTAGE	$ \begin{array}{c} \textbf{RESISTANCE} \\ \textbf{RANGE} \; (\Omega) \end{array} $	TYPICAL TOL.	
SPR0676	SPR-676	1	0.0015 to 0.05	± 0.5 %	
SPR2039	SPR-2039	3.5	0.0033 to 0.05	± 1.0 %	
SPR2093	SPR-2093	(1)	0.0005 to 0.002	± 1.5 %	

#### Note

 $^{(1)}$  13 W on  $0.0005~\Omega$  and  $0.001~\Omega,$  limited to 115 A. 10 W on  $0.001~\Omega$  and  $0.002~\Omega$ 

	<b>DIMENSIONS</b> in inches (millimeters)				
	GLOBAL HISTORICAL MODEL SPR0676 SPR-676		HOLE PATTERN	TERMINAL DIAMETER	
			0.20 [5.08] x 0.70 [17.78]	0.040 [1.02]	
	SPR2039	SPR-2039	0.25 [6.35] x 1.0 [25.4]	0.051 [1.30]	
	SPR2093 SPR-2093		0.25 [6.35] x 1.0 [25.4]	0.081 [2.06]	

Consult our engineering department for specific part numbers and detailed data sheets, see email address at the bottom of this page.

## MODELS SPR2073 SPR2123 SPR2091



Special Purpose Ceramic Potted Designed for Rugged Applications

STANDARD ELECTRICAL SPECIFICATIONS					
GLOBAL MODEL	HISTORICAL MODEL	WATTAGE	$ \begin{array}{c} \textbf{RESISTANCE} \\ \textbf{RANGE} \; (\Omega) \end{array}$	TYPICAL TOL.	
SPR2073	SPR-2073	3 (2)	0.001 to 0.25	± 1.0 %	
SPR2123	SPR-2123	5 (2)	0.001 to 0.25	± 1.0 %	
SPR2091	SPR-2091	10 (2)	0.001 to 0.25	± 1.0 %	

### Note

(2) Limited to 25 A

DIMEN	<b>DIMENSIONS</b> in inches (millimeters)				
GLOBAL MODEL	HISTORICAL MODEL	LENGTH	WIDTH	HEIGHT	TERMINAL
SPR2073	SPR-2073	0.875 [22.22]	0.312 [7.94]	0.312 [7.94]	
SPR2123	SPR-2123	0.875 [22.22]	0.375 [9.52]	0.344 [8.73]	0.040 x 2.0 [1.02 x 50.80]
SPR2091	SPR-2091	1.875 [47.62]	0.375 [9.52]	0.344 [8.73]	, 1.02 x 00.00j

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## MODEL SPR1005



Special Purpose Silicone Molded SPR-1005-26 Qualified To MIL-PRF-49465/1 Type RLV-10

STANDARD ELECTRICAL SPECIFICATION					
GLOBAL MODEL	HISTORICAL MODEL	WATTAGE	$ \begin{array}{c} \textbf{RESISTANCE} \\ \textbf{RANGE} \ (\Omega) \end{array} $	TYPICAL TOL.	
SPR1005	SPR-1005	5 (3)	0.0008 to 0.5	± 1.0 %	

## Note

(3) Limited to 25 A

<b>DIMENSIONS</b> in inches (millimeters)				
GLOBAL MODEL	HISTORICAL MODEL	LENGTH	DIAMETER	TERMINAL
SPR1005	SPR-1005	0.975 [24.77]	0.380 [9.65]	0.040 x 1.5 [1.02 x 38.10]

Consult our engineering department for specific part numbers and detailed data sheets, see email address at the bottom of this page.