

Order code	Manufacturer code	Description
63-2456	n/a	n/a
63-2457	n/a	n/a
63-2458	n/a	n/a
63-2459	n/a	n/a
63-2460	n/a	n/a
63-2461	n/a	n/a
63-2462	n/a	n/a
63-2463	n/a	n/a
63-2464	n/a	n/a
63-2465	n/a	n/a
63-2466	n/a	n/a
63-2467	n/a	n/a
63-2468	n/a	n/a
63-2469	n/a	n/a
63-2470	n/a	n/a
63-2471	n/a	n/a
63-2472	n/a	n/a
63-2473	n/a	n/a
63-2474	n/a	n/a
63-2475	n/a	n/a
63-2476	n/a	n/a
63-2477	n/a	n/a

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The enclosed information is believed to be correct, Information may change without notice due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 20/02/2007

Developed for current sensing and shunt applications. With special alloy element, copper-clad steel leads and welded construction. Built in stand-offs and standard lead spacings make for easy mounting.



- Flameproof construction
- Values from 0.005 ohms
- Low inductance
- TCR 20ppm/°C
- RoHS Compliant

## Characteristics

Operating temperature: To 275 °C  
 Tolerance (Code): ±1% (F), ±5% (J)  
 Temperature Coefficient (Code): Typically 20 ppm  
 Inductance: <10 nHenries

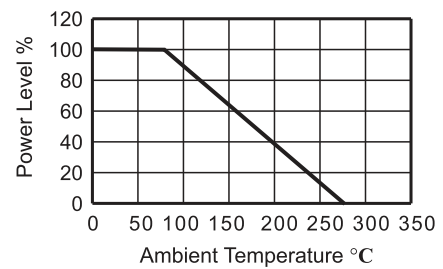
## Ordering Procedure

Standard Resistor To specify: Type, Resistance Value and Tolerance Code, e.g.: MSR 3 R05 F  
Tolerance (Code) ±1% (F), ±5% (J)

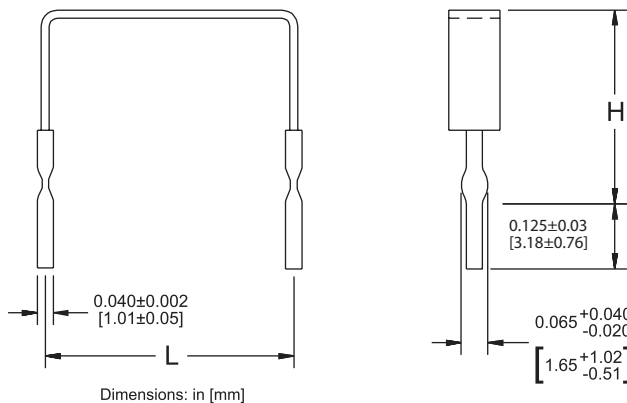
## Electrical Specifications

Type	Power rating (W@85°C)	Resistance range	Tolerances	Inductance
MSR 1	1	R005-R1	±1%, ±5%	<10nH
MSR 3	3	R005-R1	±1%, ±5%	<10nH
MSR 5	5	R005-R05	±1%, ±5%	<10nH

## Derating Curve



## Dimensions



Type	L		H	
	mm	In	mm	In
MSR 1	11.43	$\begin{matrix} +1.02 \\ -0.02 \end{matrix}$	$5.08 \pm 2.54$	mm
	0.45	$\begin{matrix} +0.04 \\ -0.02 \end{matrix}$	$0.2 \pm 0.1$	In
MSR 3	15.24	$\begin{matrix} +1.02 \\ -0.51 \end{matrix}$	25.4 max	mm
	0.6	$\begin{matrix} +0.04 \\ -0.02 \end{matrix}$	1.0 max	In
MSR 5	20.32	$\begin{matrix} +1.02 \\ -0.02 \end{matrix}$	25.4 max	mm
	0.8	$\begin{matrix} +0.04 \\ -0.02 \end{matrix}$	1.0 max	In

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The information contained herein does not form part of a contract and is subject to change without notice. Arcol operate a policy of continual product development, therefore, specifications may change.

It is the responsibility of the customer to ensure that the component selected from our range is suitable for the intended application. If in doubt please ask Arcol.