

Power Shunt resistor
Vertical, low inductance and low ohmic
Ceramic case

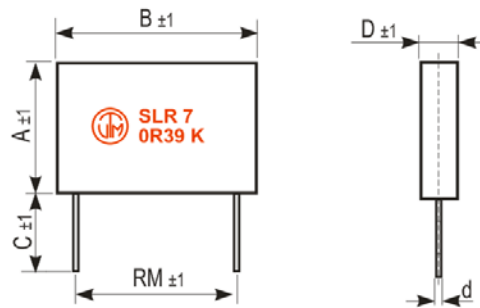
**ELECTRICAL SPECIFICATIONS**

Type		SLR2	SLR3	SLR5	SLR5B	SLR7	SLR7B	SLR10	SLR10A
<u>Nominal Power rating</u> P_{70}	[W]	2	3	5	5	7	7	10	10
<u>Resistance range</u>	Min	0R01	0R05	0R01	0R05	0R05	0R05	0R05	0R05
	Max	1R	1R	3R3	3R3	3R3	3R3	3R3	3R3
<u>E-Series</u>		E24 (5[%]), E12 (10[%])							
<u>Tolerances</u>	± [%]	10 (K), 5 (J) on request							
<u>Temperature coefficient</u>	$[10^{-6} \cdot K^{-1}]$	± 250							
<u>Temperature range</u>	[°C]	-25 ... +155							
<u>Thermal resistance</u>	$[KW^{-1}]$	43	28	17	17	12	12	9	9
<u>Dielectric withstanding voltage</u> <i>IEC115-1 clause 4.7 (1[min])</i>	$[V]_{RMS}$	>700							
<u>Max. working voltage</u>	$[V]_{RMS}$	$\sqrt{P_{70} \cdot R}$							
<u>Insulation resistance</u> <i>IEC115-1 clause 4.6</i>	[GΩ]	≥1							

PERFORMANCE DATA

<u>Derating linear</u>	[°C]	70...150 (0W)							
<u>Climatic category</u>		25/155/21							
<u>Endurance</u> <i>IEC60115-1 clause 4.25</i> <i>(P_{70}, @ 70[°C], 1000[h])</i>	± [%]	5,0							
<u>Damp heat, steady state</u> <i>IEC115-1 clause 4.24</i> <i>(40[°C], 93% r.h., 56[d])</i>	± [%]	5,0							
<u>Terminal strength</u>	± [%]	1,0							
<u>Resistance to soldering heat</u> <i>IEC115-1 clause 4.12</i> <i>(260[°C], 10[s])</i>	± [%]	1,0							
<u>Solderability</u> <i>IEC 60068-2-20</i> <i>(245⁺³[°C] 3^{+0,3}[s])</i>		Solder bath method (> 95% coverage)							
<u>Marking</u> <i>IEC60062</i>		Printed in clear							

DIMENSIONS [mm]



Type	A	B	C	D	d	RM
SLR2	8	13	12	5	0.6	9
SLR3	13	13	12	5	0.6	9
SLR5	18	14	12	5	0.6	10
SLR5B	10	26	12	5	0.8	20
SLR7	18	26	12	5	0.8	20
SLR7B	13	26	12	5	0.8	20
SLR10	20	26	12	5	0.8	20
SLR10A	19	26	12	5.5	0.8	20

PACKAGING

The standard packaging for SLR type is bulk, dimensions below.



Type	Packaging	Pieces	Pack. Code
SLR2	Bulk	300	B
SLR3		230	
SLR5		180	
SLR5B		160	
SLR7		100	
SLR7B		130	
SLR10		100	
SLR10A		100	

ORDERING EXAMPLE

SLR7	K	B	0R39
Type	Tolerance	Pack-Code	R-Value