

Power shunt Resistors
Radial, low inductance and low ohmic
Open frame



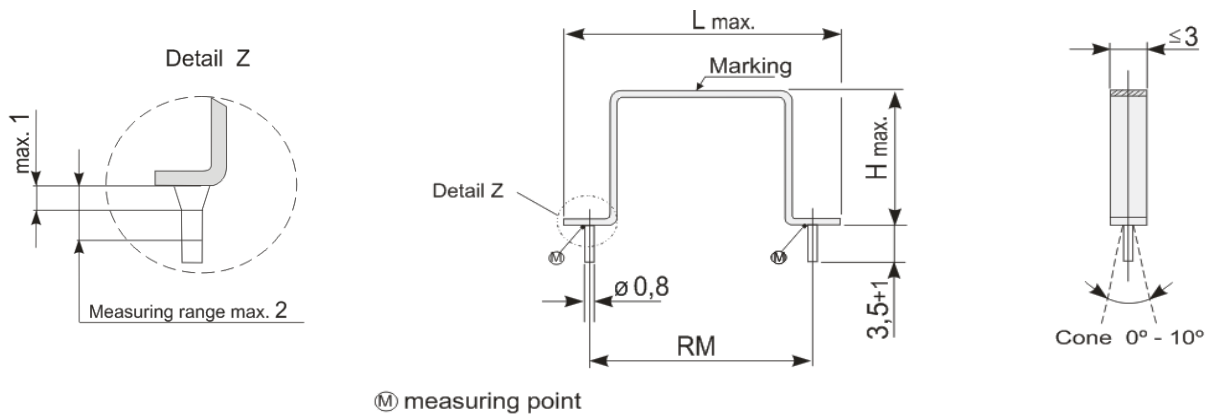
ELECTRICAL SPECIFICATIONS

Type		KN350-009	KN351-009	KN351-010	KN352-009 KN352-010 KN352-011	KN353-009 KN353-010 KN353-011
<u>Nominal Power rating</u> P_{70}	[W]	1	2	1,5	2,5	3,0
<u>Resistance range</u>	[Ω] Min	0R003	0R003	0R003	0R005	0R005
	Max	0R051	0R068	0R068	0R12	0R12
<u>E-Series</u>		E24 >0R01				
<u>Tolerances</u>	\pm [%]	1, 2, 3, 5				
<u>Temperature coefficient</u>	[$10^{-6} \cdot K^{-1}$]	+ 200 ... + 1200 Depends on value				
<u>Temperature range</u>	[$^{\circ}C$]	-55 ... +300				
<u>Thermal resistance</u>	[KW^{-1}]	230	115	153	92	77
<u>Dielectric withstanding voltage</u> <i>IEC115-1 clause 4.7 (1[<i>min</i>])</i>	[V]	non insulated				
<u>Max. working voltage</u>	[V] _{RMS}	$\sqrt{P_{70} \cdot R}$				

PERFORMANCE DATA

<u>Derating linear</u>	[$^{\circ}C$]	70...300 (0W)				
<u>Climatic category</u>		55/200/56				
<u>Failure Rate</u> <i>(Total, ϑ_{θ}, max, 60% cont. lev.)</i>	[$10^{-9} h^{-1}$]	appr. 10 depends on value				
<u>Endurance</u> <i>IEC60115-1 clause 4.25 (P_{70}, @ 70[$^{\circ}C$], 1000[h])</i>	\pm [%]	3,0				
<u>Damp heat, steady state</u> <i>IEC115-1 clause 4.24 (40[$^{\circ}C$], 93[% r.h.], 56[d])</i>	\pm [%]	0,5				
<u>Climatic sequence</u> <i>IEC115-1 clause 4.23</i>	\pm [%]	0,5				
<u>Terminal strength</u>	\pm [%]	0,5				
<u>Terminal Tensile Strength</u>	[N]	min. 25				
<u>Resistance to soldering heat</u> <i>IEC115-1 clause 4.18 (260^{±5}[$^{\circ}C$], 3,5^{±1}[s])</i>	\pm [%]	$\pm 0,2$				
<u>Solderability</u> <i>IEC 60068-2-20-T (245^{±5}[$^{\circ}C$], 3^{±0,5}[s])</i>		Solder bath method (> 95% coverage)				
<u>Marking</u> <i>IEC60062</i>		Value imprinted				

DIMENSIONS [mm]



Type	RM	H	L
KN350-009	10	6,5	16
KN351-009		10,5	
KN352-009		17,0	
KN353-009		20,0	
KN351-010	15	8,0	21
KN352-010		14,5	
KN353-010		18,0	
KN352-011	20	12,0	26
KN353-011		15,0	

Construction: The resistive elements consist of a flat metal-band. Spot welded Cu-terminals ensure high stability of Contacts. Thus, this construction results in a non-inductive resistor of both high stability and overload capacity.

PACKAGING

The standard packaging for KN in radial type is bulk, dimensions below.



Type	Packaging	Pieces	Pack. Code
KN350	Bulk	1000	B
KN351		1000	
KN352		500	
KN353		500	

ORDERING EXAMPLE

KN350-009	5	B	0R015
Type	Tolerance	Pack-Code	R-Value