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

RoHS compliant

ELECTRICAL SPECIFICATIONS

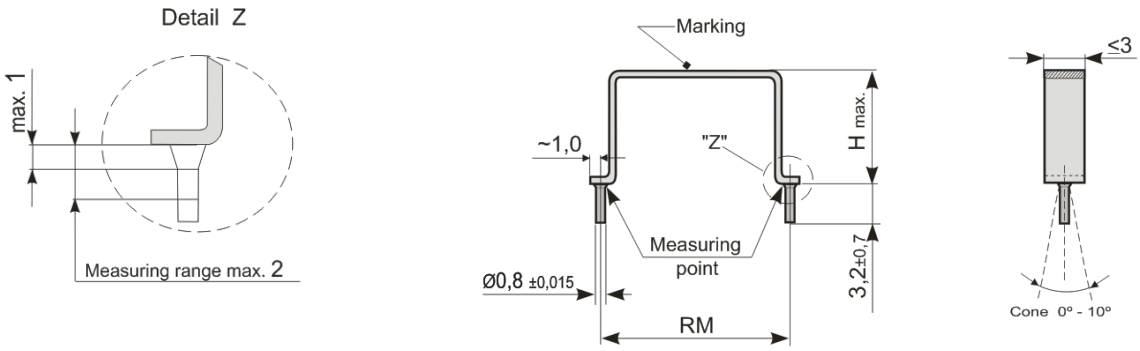
Type			KNA361-3	KNA363-4
Nominal Power rating P_{70}		[W]	1	3
Resistance	Range	[Ω]	0R004 …0R082	0R005 … 0R1
	Prefered values		(0R005; 0R01; 0R015; 0R02; 0R025; 0R03; 0R04; 0R05)	(0R005; 0R01; 0R015; 0R02; 0R025; 0R03; 0R04; 0R05)
Tolerances		± [%]	1, 3, 5	
Temperature coefficient		$[10^{-6}*K^{-1}]$	+ 200 … + 1200 Depends on value	
Temperature range		[°C]	-55 … +300	
Thermal resistance		$[KW^{-1}]$	230	77
Dielectric withstanding voltage *IEC115-1 clause 4.7 (1[min])*		[V]	non insulated	
Max. working voltage		$[V]_{RMS}$	$\sqrt{P_{70} * R}$	

PERFORMANCE DATA

Derating linear	[°C]	70…300 (0W)
Climatic category		55/200/56
Failure Rate *(Total, ϑ_0, max, 60% cont. lev.)*	$[10^{-9}\ h^{-1}]$	appr. 10 depends on value
Endurance *IEC60115-1 clause 4.25*	± [%]	3,0
Damp heat, steady state *IEC115-1clause 4.24* *(40[°C], 93[% r.h.], 56[d])*	± [%]	0,5
Climatic sequence *IEC115-1 clause4.23*	± [%]	0,5
Terminal strength	± [%]	0,5
Terminal Tensile Strength	[N]	min. 25
Resistance to soldering heat *IEC115-1 clause 4.18* *($260^{\pm5}$[°C], $3{,}5^{\pm1}$[s])*	± [%]	± 0,2
Solderability *IEC 60068-2-20-T* *($245^{\pm5}$[°C], $3^{\pm0.5}$[s])*		Solder bath method (> 95% coverage)
Marking *IEC60062*		Value imprinted

VITROHM PORTUGUESA, Lda. – Est. Nacional 249-4, Trajouce – 2765-653 S. Domingos de Rana – PORTUGAL
Tel:+ 351 214 457 700 - Fax:+ 351 214 457 755 – Germany Sales Tel:+ 49 4121 870 103 - e-mail: vitrohm.support@yageo.com – www.vitrohm.com

DIMENSIONS [mm]



Type	RM +1 -0,5	H max.
KNA361-3	11,43	8,0
KNA363-4	15,00	18,0

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 KNA in radial type is bulk, dimensions below.

Type	Packaging	Pieces	Pack. Code
KNA361	Bulk	1000	B
KNA363		500	

ORDERING EXAMPLE

KNA361-3	**5**	**B**	**0R01**
Type	*Tolerance*	*Pack-Code*	*R-Value*