

Power Resistors

Vertical, Metox Element

Ceramic case



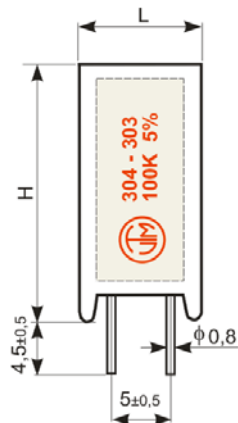
ELECTRICAL SPECIFICATIONS

Type		KWV302-303	KWV304-303	KWV306-303	KWV308-303	KWV310-303
<u>Nominal Power rating</u> P_{70}	[W]	2,0	3,0	5,0	7,0	10,0
<u>Resistance range</u>	[Ω] Min Max	390R 100K	680R 100K	680R 100K	1K 100K	1K 100K
<u>E-Series</u>		E24				
<u>Tolerances</u>	± [%]	2 , 5				
<u>Temperature coefficient</u>	[10 ⁻⁶ *K ⁻¹]	± 250				
<u>Temperature range</u>	[°C]	-55 ... +235				
<u>Thermal resistance</u>	[KW ⁻¹]	102	68	41	30	20
<u>Dielectric withstanding voltage</u> <i>IEC115-1 clause 4.7 (1[min])</i>	[V]	700				
<u>Max. working voltage</u>		350				
<u>Insulation resistance</u> <i>IEC115-1 clause 4.6</i>	[GΩ]	> 1				

PERFORMANCE DATA

<u>Derating linear</u>	[°C]	70...235 (0W)
<u>Climatic category</u>		55/155/21
<u>Failure Rate</u> <i>(Total, θ, max, 60% cont. lev.)</i>	[10 ⁻⁹ h ⁻¹]	Appr.100, depends on value
<u>Endurance</u> <i>IEC60115-1 clause 4.25 (P_{70}, @ 70[°C], 1000[h])</i>	± [%]	5,0
<u>Damp heat, steady state</u> <i>IEC115-1 clause 4.24 (40[°C], 93[% r.h.], 56[d])</i>	± [%]	5,0
<u>Climatic sequence</u> <i>IEC115-1 clause 4.23</i>	± [%]	5,0
<u>Terminal strength</u>	± [%]	1,0
<u>Resistance to soldering heat</u> <i>IEC115-1 clause 4.12 (260[°C], 10[s])</i>	± [%]	1,0
<u>Solderability</u> <i>IEC 60068-2-20 (245^{±3}[°C] 3^{±0,3}[s])</i>		Solder bath method (min. 95[%] coverage)
<u>Marking</u> <i>IEC60062</i>		Printed in clear

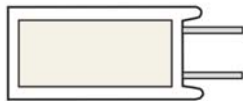
DIMENSIONS [mm]



Type	H ± 1	L ± 1	D ± 1
KWV302-303	20,5	11	7,0
KWV304-303	25,0	12	8,0
KWV306-303	26,0	13	9,0
KWV308-303	39,0	13	9,5
KWV310-303	51,0	13	9,5

PACKAGING

The standard packaging for KWV in vertical type is bulk, dimensions below.



Type	Packaging	Pieces	Pack. Code
KWV302	Bulk	250	B
KWV304		204	
KWV306		176	
KWV308		108	
KWV310		120	

ORDERING EXAMPLE

KWV304-303	5	B	100K
Type	Tolerance	Pack-Code	R-Value