

**Metal glaze film resistors,
Axial, hi-temp. solder contacts
Moulded, unflamable acc. to IEC 695-2-2**



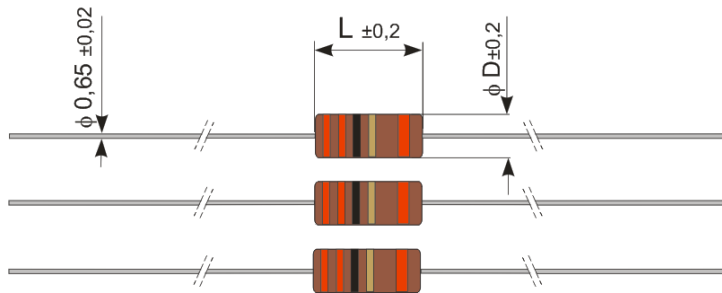
ELECTRICAL SPECIFICATIONS

Type		RG515-0	RG520-0
Nominal Power rating P_{70}	[W]	0,5 ($P_{max} = 0,7$)	0,7 ($P_{max} = 0,9$)
Resistance range	[Ω]	0R3 ... 3M32	
E-Series		E24 (1,2[%]), E96 (0,5;1[%])	
Tolerances	$\pm$ [%]	0,5; 1; 2	
Temperature coefficient	[$10^{-6} \cdot K^{-1}$]	*Depends on the value, please check the table below	
Temperature range	[$^{\circ}C$]	-65 ... +175	
Thermal resistance	[KW^{-1}]	125	100
Dielectric withstanding voltage <i>IEC115-1 clause 4.7 (1[min])</i>	[V]	1000	
Insulation resistance <i>IEC115-1 clause 2.2.19</i>	[Ω]	$> 10^4$	
Max. working voltage	[V] _{RMS}	350	

PERFORMANCE DATA

Derating linear	[$^{\circ}C$]	70...175 (0W)
Voltage coefficient <i>IEC115-1 clause 4.11</i>	[$10^{-6} V^{-1}$]	< 30
Climatic category		55/155/56
Failure Rate <i>(Total, ϑ_o, max, 60% cont. lev.)</i>	[$10^{-9} h^{-1}$]	1
Endurance <i>IEC60115-1 clause 4.25 (P_{70}, @ 70[$^{\circ}C$], 1000[h])</i>	$\pm$ [%]	0,5
Damp heat, steady state <i>IEC115-1 clause 4.24 (40[$^{\circ}C$], 93[% r.h.], 56[d])</i>	$\pm$ [%]	1,0
Climatic sequence <i>IEC115-1 clause 4.23</i>	$\pm$ [%]	1,0
Terminal strength	$\pm$ [%]	0,2
Terminal Tensile Strength	[N]	40
Resistance to soldering heat <i>IEC115-1 clause 4.18 (260$\pm$5[$^{\circ}C$], 3,5$\pm$1[s])</i>	$\pm$ [%]	0,1
Solderability <i>IEC 60068-2-20-T (245$\pm$5[$^{\circ}C$], 3$\pm$0,5[s])</i>		Solder bath method (> 95% coverage)
Current noise <i>IEC60195</i>	[dB]	$R < 1K\Omega$: -20 $R > 1K\Omega$ $\pm$ 20/decade
Nonlinearity <i>IEC60440</i>	[dB]	110 -20 /decade
Marking <i>IEC60062</i>		Color code (6th. Band for TC) < 1R0 4 bands

DIMENSIONS [mm]



Type	L	Ø D	Ø d
RG515-0	6,4	2,3	0,65
RG520-0	8,0	3,2	0,65

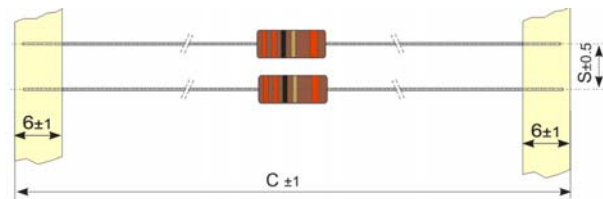
ELECTRICAL PERFORMANCE

Resistance range	E-series	Tolerance ± [%]	Temperature coefficient [ppm K ⁻¹]
0R3 ... 3M3	E24	2	100 (T0) *
0R3 ... 9R1	E24	1	100 (T0) *
10R ... 3M32	E24 / E96	1	50 (T2)
10R ... 1M	E96	0,5	50 (T2)

* R < 1R TC200

PACKAGING

The standard packaging for RG in axial type is taped, dimensions below.

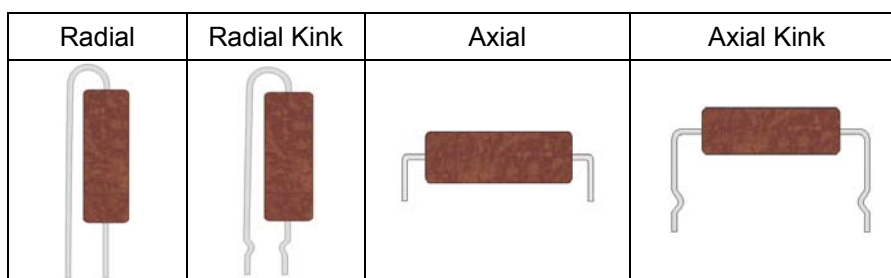


Type	Packaging	Pieces	Pack. Code	C	S
RG515-0	Taped, Ammopack	1000	T	65	5
	Reel	5000	R		
RG520-0	Taped, Ammopack	1000	T	65	5
	Reel	5000	R		

ALTERNATIVE LEAD CONFIGURATIONS

This type RG is also available in a different pre-forming, as shown below, other's upon request.

THROUGH HOLE VERSION



*For horizontal and vertical pre-forming please consult your local sales contact.

ORDERING EXAMPLE

RG515-0	1	T	1K
Type	Tolerance	Pack-Code	R-Value