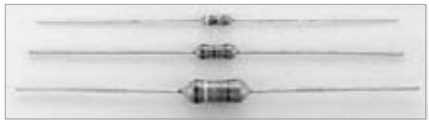
Paint Insulated Glazed Metal Film Fixed Resistors

■Feature

Model No."HMGL" is glazed metal film resistor with high resistance.

Model No. "HMGL" is suitable for circuit protection for surges.

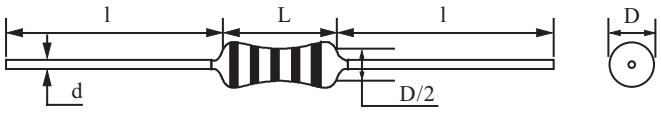


■Power Rating

Model No.	Power Rating	Max. Working Voltage	Max. Overload Voltage	T.C.R.	Resistance Range[Ω] Tolerance[%]				Rating Ambient Temp.	Operating Temp. Range
	[W]	[V]	[V]		±0.5	±1.0	±2.0	±5.0	[℃]	[℃]
HMGL1/4	0.25	250	500	A(±100ppm/℃)	100k～10M	100k～10M	100k～10M	100k～ 10M	+70	-55～+125
				B(±250ppm/℃)	100k～10M	100k～50M	100k～50M	100k～ 50M		
HMGL1/2	0.5	500	1000	A(±100ppm/℃)	100k～10M	100k～30M	100k～30M	100k～ 30M		
				B(±250ppm/℃)	100k～10M	100k～50M	100k～50M	100k～100M		
HMGL 1	1.0	750	1500	A(±100ppm/℃	100k～10M	100k～50M	100k～50M	100k～100M		
				B(±250ppm/℃	100k～10M	100k～50M	100k～50M	100k～500M		

☆Rated Voltage: $\sqrt{P \cdot R}$ (P=Rated power (W), R=Nominal resistance(Ω)) Rated Voltage shall be either the calculated rated voltage or Max. Working Voltage whichever less.

■Dimensions

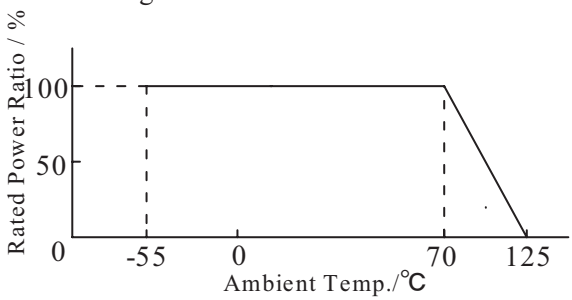


☆Marking : (±2.0),J(±5.0) are 4 color code lines

☆Body color : Brown

Model No.	Dimensions(mm)			
	L	D	l	d
HMGL1/4	6.4±0.8	2.3±0.5	27min.	0.6±0.1
HMGL1/2	9.5±1.0	3.5±1.0	38±3	0.65±0.1
HMGL 1	14.2±1.6	4.8±1.0	38±3	1.0±0.1

■Derating Curve



■Model Designation

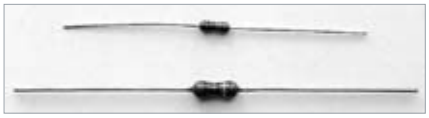
HMGL ① 1/4 ② A ③ 10MΩ ④ F ⑤ TU ⑥

		Symbol	Meaning
①	Model No.	HMGL	PAINT INSULATED FIXED GLAZED METAL FILM RESISTORS
②	Power Rating	1/4	0.25W
		1/2	0.5W
		1	1.0W
③	T.C.R.	A	±100ppm/℃
		B	±250ppm/℃
④	Resistance	10MΩ	Standard Resistance E-24, E-96 Series
		For detail description about resistance marking, please refer to "General Specifications."	
⑤	Tolerance	D	±0.5%
		F	±1.0%
		G	±2.0%
		J	±5.0%
⑥	Forming, Packaging	No Marking	Bulk
		TU.TP	Axial Taping
		RP	Radial Taping
		For detail description about forming and taping specification, please refer to Taping Specification page in "General Specifications."	

High Voltage Glazed Metal Film Fixed Resistors

■Feature

Model No. "HVL" is suitable for high voltage circuits.

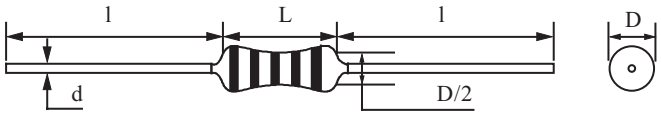


■Power Rating

Model No.	Power Rating	Max. Working Voltage	Resistance Range	Tolerance	T.C.R.	Rating Ambient Temp.	Operating Temp. Range
	[W]	[V]	[Ω]	[%]	[ppm/℃]	[℃]	[℃]
HVL1/4	0.25	D.C.1600 A.C.1150	100k～ 50M	±1.0 ±2.0 ±5.0	±200	+70	-55～+125
HVL1/2	0.50	D.C.3500 A.C.2500	100k～100M				

☆Rated Voltage: $\sqrt{P \cdot R}$ (P=Rated power (W), R=Nominal resistance(Ω)) Rated Voltage shall be either the calculated rated voltage or Max. Working Voltage whichever less.

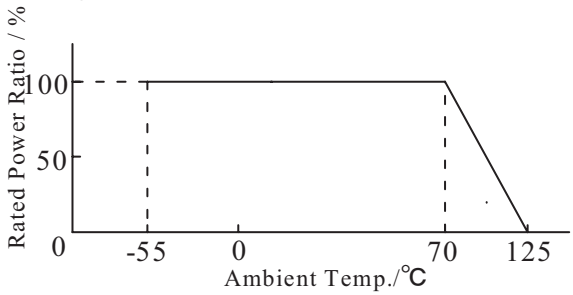
■Dimensions



☆Marking : G(±2.0),J(±5.0) are 4 color code lines

☆Body color: : :Brown

■Derating Curve



Model No.	Dimensions(mm)			
	L	D	l	d
HVL1/4	6.4±0.8	2.3±0.5	27min.	0.6±0.1
HVL1/2	9.5±1.0	3.5±1.0	38±3	0.65±0.1

■Model Designation

HVL ① 1/4 ② 10MΩ ③ F ④ TU ⑤

		Symbol	Meaning
①	Model No.	HVL	HIGH VOLTAGE FIXED GLAZED METAL FILM RESISTORS
②	Power Rating	1/4	0.25W
		1/2	0.5W
③	Resistance	10MΩ	Standard Resistance E-24,E-96 Series
		For detail description about resistance marking, please refer to "General Specifications."	
④	Tolerance	F	±1.0%
		G	±2.0%
		J	±5.0%
⑤	Forming, Packaging	No Marking	Bulk
		TU,TP	Axial Taping
		RP	Radial Taping
		For detail description about forming and taping specification, please refer to Taping Specification page in "General Specifications."	