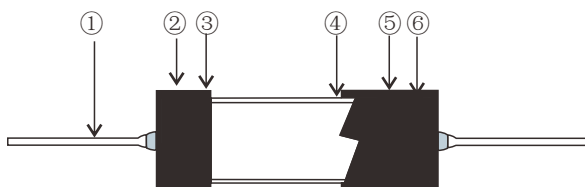


## ● Feature

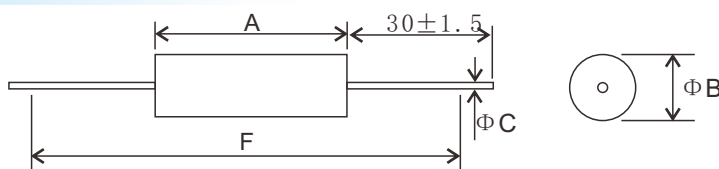
- I Low Resistance
- II High Precision From  $\pm 1\%$
- III Full Molded Construction
- IV Non-inductance
- V High stability

## ● Construction



①	lead wire
②	cap
③	cermic base
④	Resistance core
⑤	marking
⑥	full moded construction

## ● Dimensions



Type	Power (W)	Dimensions(mm)			F
		A $\pm 0.25$	$\Phi B \pm 0.25$	$\Phi C$	
LVR05	0.5	7.0	3.0	0.8	27.0
LVR10	1.0	9.9	3.6	0.8	33.0
LVR20	2.0	11.0	3.6	0.8	33.0
LVR30	3.0	14.0	5.2	0.8	34.0
LVR40	4.0	18.6	6.5	0.8	38.0
LWL50	5.0	24.0	8.4	1.0	44.0
LVR70	7.0	27.0	9.5	1.0	47.0
LVR100	10.0	46.5	10.0	1.0	66.0

## ● Ordering Information

Example:

LVR	05	D	R01	C
(1)	(2)	(3)	(4)	(5)
Series Name	Power Rating	Resistance Tolerance	Resistance Value	TCR

(1)Type: LVR SERIES

(2)Power Rating: 05=0.5W、10=1W、20=2W、30=3W、40=4W、50=5W、70=7W、100=10W

(3)Tolerance: D= $\pm 0.5\%$ 、F= $\pm 1\%$ 、J= $\pm 5\%$ .

(4)Resistance Value:R10=0.01 $\Omega$ 、R003=0.003 $\Omega$

(5)TCR:  $\pm 25\text{ppm}/^\circ\text{C}$ 、 $\pm 50\text{ppm}/^\circ\text{C}$ 、 $\pm 100\text{ppm}/^\circ\text{C}$ 、 $\pm 250\text{ppm}/^\circ\text{C}$

Packaging : Plastic recloseablebags(moq : 100PCS)

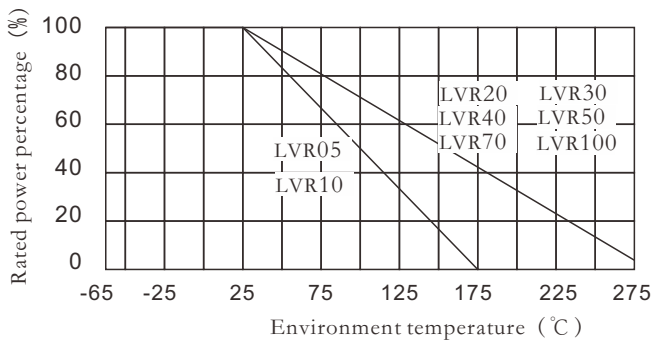
## Reference Standards

JIS C 5201-1

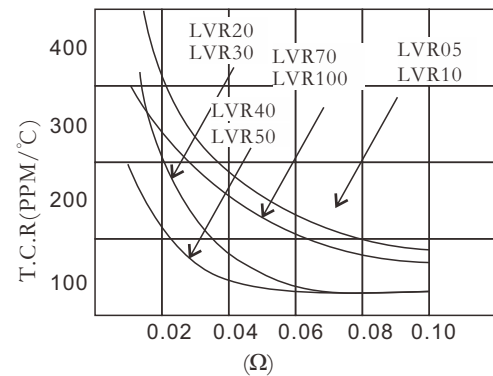
## Applications And Ratings

Type	Power (W)	Resistance Range( $\Omega$ )	
		MIN	MAX
LVR05	0.5	R01	R1
LVR10	1.0	R005	R2
LVR20	2.0	R005	R2
LVR30	3.0	R005	R2
LVR40	4.0	R005	1R
LVR50	5.0	R005	1R
LVR70	7.0	R005	1R
LVR100	10.0	R01	1R

## Derating Curve



## TCR vs Resistance Value



## Performance

Test Item	Specifications	Test Methods(JIS C 5201-1)
Short Time Overload	$\leq \pm (0.5\%R+0.0005\Omega)$	5 x rated power 5 s
Temperature shock	$\leq \pm (0.20\%R+0.0005\Omega)$	-65 ° C to +125 ° C, 5 cycles, 15 min at each extreme
Low tempoperation	$\leq \pm (0.20\%R+0.0005\Omega)$	-65°C for 24h
Dielectric Withstanding Voltage	$\leq \pm (0.1\%R+0.0005\Omega)$	1000VRMS,1Min
Leaching	$\leq \pm (0.1\%R+0.0005\Omega)$	350°C,3.5s
Moisture Resistance	$\leq \pm (0.2\%R+0.0005\Omega)$	40°C,RH93%,21D
Load life	$\leq \pm (1.0\%R+0.0005\Omega)$	1000h at rated power, +70°C,1.5h "ON",0.5h "OFF"
Solderability	$\leq \pm (0.25\%R+0.0005\Omega)$	IEC68-2-20(1968), 235±5°C, 2s
Vibration High Frequency	$\leq \pm (0.1\%R+0.0005\Omega)$	Frequency varied 10 Hz to 2000 Hz, 20 g peak, 2 directions 6 h each