

## Features



- Radial leaded devices
- Very high voltage surge capabilities
- Available in lead-free version
- Agency Recognition: UL、CSA、TUV

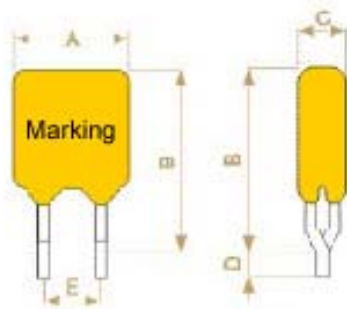


LBV series

R-line devices

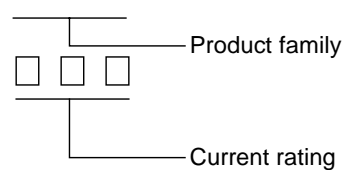
## Product Dimensions(mm)

Part number	A	B	C	D	E	Lead
	Max	Max	Max	Min	Typ	Size( )
LBV150	13.5	12.6	6.5	4.7	5.1	0.6
LBV160	13.5	12.6	6.5	4.7	5.1	0.6



## Marking system

LBV



\* Lead materials: Tin-plate metal wire.

\* Lead-free devices are available, the right logo is lead-free mark of wayon



## Electrical Characteristics

Part number	$I_H$	$I_T$	$T_{trip}$		$V_{max\ interrupt}$	$I_{max}$	$Pd_{typ}$	$R_{min}$	$R_{max}$
	(A)	(A)	Current(A)	Time(S)	(V)	(A)	(w)	( )	( )
LBV150	0.150	0.300	1.00	5.00	600	3.0	1.0	6.00	12.00
LBV160	0.160	0.320	1.00	7.00	600	3.0	1.0	4.00	10.00

$I_H$ =Hold current: maximum current at which the device will not trip at 25 °C still air.

$I_T$ =Trip current: minimum current at which the device will always trip at 25 °C still air.

$V_{max\ interrupt}$ =Maximum interrupt voltage device can withstand without damage at rated current.

$I_{max}$ =Maximum fault current device can withstand without damage at rated voltage.

$T_{trip}$ =Maximum time to trip(s) at assigned current.

$Pd_{typ}$ =Typical power dissipation: typical amount of power dissipated by the device when in state air environment.

$R_{min}$ =Minimum device resistance at 25 °C prior to tripping.

$R_{max}$ =Maximum device resistance at 25 °C prior to tripping.

## Thermal Derating Chart-I<sub>H</sub>(A)

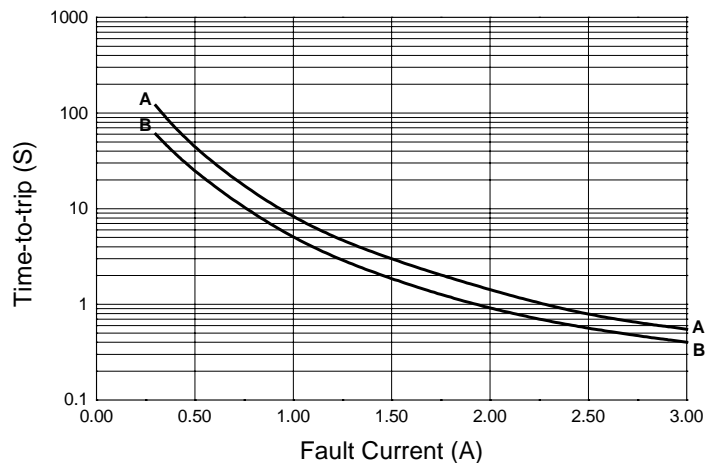
Part number	Maximum ambient operating temperatures( )								
	-40	-20	0	25	40	50	60	70	85
LBV150	0.238	0.211	0.183	0.150	0.128	0.115	0.101	0.088	0.067
LBV160	0.250	0.220	0.195	0.160	0.137	0.123	0.110	0.095	0.074

## Test Procedures And Requirements

Test	Test Conditions	Accept/Reject Criteria
Resistance	In still air @ 25	R <sub>min</sub> R R <sub>max</sub>
Time to Trip	Specified current, V <sub>max</sub> , 25	T maximum Time to Trip
Hold Current	60min, at I <sub>H</sub>	No trip
Trip Cycle Life	V <sub>max</sub> , I <sub>max</sub> , 20cycles	No arcing or burning
Trip Endurance	V <sub>max</sub> , 15min.	No arcing or burning

## Typical Time-to-Trip Charts at 25

A=LBV160  
B=LBV150



## Package Information

Bulk:

LBV150~LBV160.....500pcs per bag