



## Features

- Radial leaded devices
- High voltage surge capabilities
- Cured, flame retardant epoxy polymer insulating material meets UL94 V-0 requirements
- Halogen and Lead free device
- Agency Recognition: UL、CSA、TUV



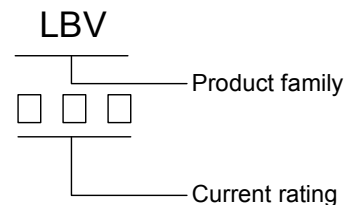
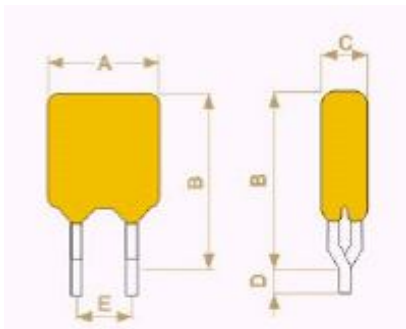
**LBV** series

R-line devices

## Product Dimensions

Part number	A	B	C	D	E	Lead
	Max.	Max.	Max.	Min.	Typ.	Size(φ)
LBV150F	13.5	12.6	6.5	4.7	5.1	0.6
LBV160F	13.5	12.6	6.5	4.7	5.1	0.6

## Marking system



\* Lead materials: Tin-plate metal wire.

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

\*The suffix "F" means halogen and lead free.



## Electrical Characteristics

Part number	$I_H$	$I_T$	Max. Time-to-trip		$V_{max}$	$I_{max}$	$P_{dtyp}$	$R_{min}$	$R_{max}$	$R_{1max}$
	(A)	(A)	Current(A)	Time(s)	(V)	(A)	(w)	(Ω)	(Ω)	(Ω)
LBV150F	0.150	0.300	1.00	8.00	600	3.0	1.0	6.00	12.00	17.00
LBV160F	0.160	0.320	1.00	18.00	600	3.0	1.0	4.00	10.00	18.00

$I_H$ =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.

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

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

Max. Time-to-trip=Maximum time to trip at assigned current.

$P_{dtyp}$ =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.

$R_{1max}$ =Maximum device resistance measured one hour post-trip at 25°C.

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

Part number	Maximum ambient operating temperatures(°C)								
	-40	-20	0	25	40	50	60	70	85
LBV150F	0.238	0.211	0.183	0.150	0.128	0.115	0.101	0.088	0.067
LBV160F	0.250	0.220	0.195	0.160	0.147	0.123	0.110	0.095	0.074

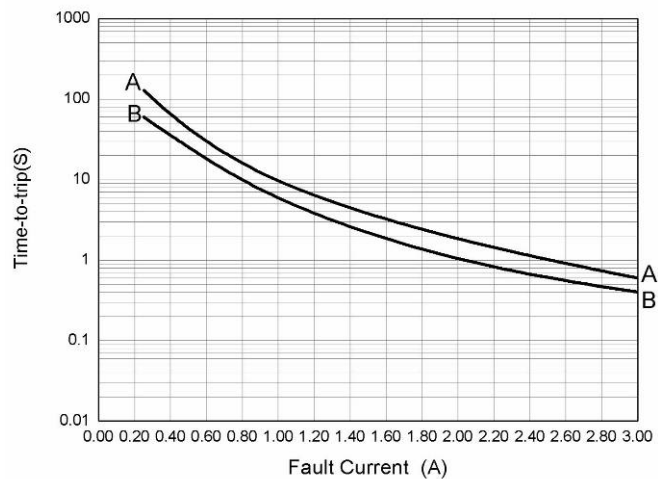
## Test Procedures And Requirements

Test	Test Conditions	Accept/Reject Criteria
Resistance	In still air @ 25°C	$R_{min} \leq R \leq R_{max}$
Time to Trip	Specified current, V <sub>max</sub> , 25°C	T ≤ maximum Time to Trip
Hold Current	30min, at I <sub>H</sub>	No trip
Trip Cycle Life	V <sub>max</sub> , I <sub>max</sub> , 100cycles	No arcing or burning
Trip Endurance	V <sub>max</sub> , 24hours	No arcing or burning

## Typical Time-to-trip Charts at 25°C

A=LBV160F

B=LBV150F



## Package Information

Bulk:

LBV150F~LBV160F.....1000pcs per bag

Tape & Reel:

LBV150F~LBV160F.....600pcs per reel