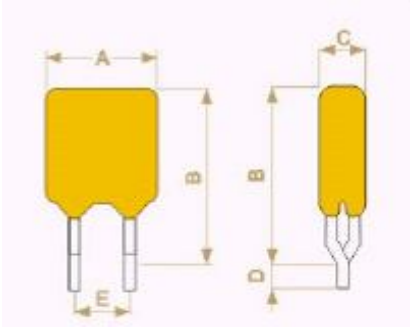
Features

- ☐ 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

Product Dimensions

Part number	A	B	C	D	E	Lead
	Max.	Max.	Max.	Min.	Typ.	Size(Φ)
DWBV150F	13.5	12.6	6.5	4.7	5.1	0.6
DWBV160F	13.5	12.6	6.5	4.7	5.1	0.6



Marking system

DWBV

Product family

☐ ☐ ☐

Current rating

* Lead materials: Tin-plate metal wire.

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

* The suffix “F” means halogen and lead free.

Electrical Characteristics

Part number	I_H	I_T	Max. Time-to-trip		V_{max}	I_{max}	Pd_{typ}	R_{min}	R_{max}	R_{1max}
	(A)	(A)	Current(A)	Time(s)	(V)	(A)	(w)	(Ω)	(Ω)	(Ω)
DWBV150F	0.150	0.300	1.00	8.00	600	3.0	1.0	6.00	12.00	17.00
DWBV160F	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℃ still air.

I_T=Trip current: minimum current at which the device will always trip at 25℃ 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.

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℃ prior to tripping.

R_{max}=Maximum device resistance at 25℃ prior to tripping.

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

Thermal Derating Chart-I_H (A)

Part number	Maximum ambient operating temperatures(℃)								
	-40	-20	0	25	40	50	60	70	85
DWBV150F	0.238	0.211	0.183	0.150	0.128	0.115	0.101	0.088	0.067
DWBV160F	0.250	0.220	0.195	0.160	0.147	0.123	0.110	0.095	0.074

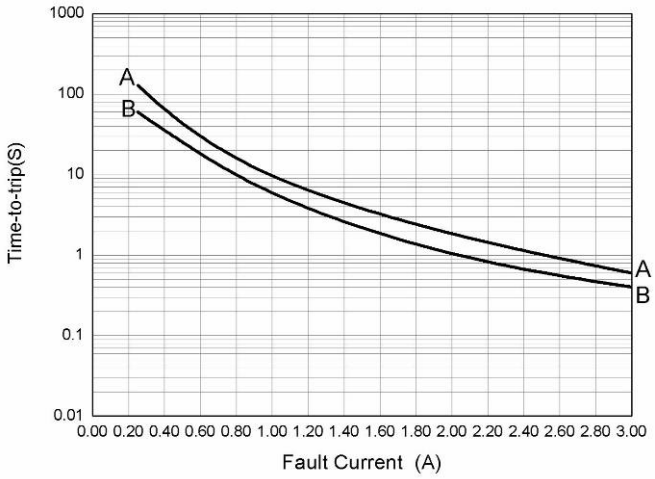
Test Procedures And Requirements

Test	Test Conditions	Accept/Reject Criteria
Resistance	In still air @ 25℃	$R_{min} \leqslant R \leqslant R_{max}$
Time to Trip	Specified current, V_{max}, 25℃	T≤maximum Time to Trip
Hold Current	30min, at I_H	No trip
Trip Cycle Life	V_{max}, I_{max}, 100cycles	No arcing or burning
Trip Endurance	V_{max}, 24hours	No arcing or burning

Typical Time-to-trip Charts at 25℃

A=DWBV160F

B=DWBV150F



Package Information

Bulk:
DWBV150F~DWBV160F……1000pcs per bag

Tape & Reel:
DWBV150F~DWBV160F……600pcs per reel