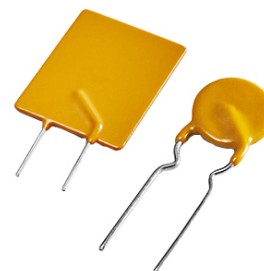




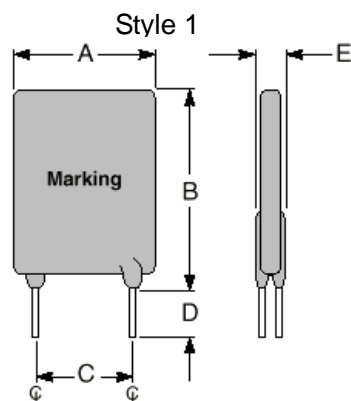
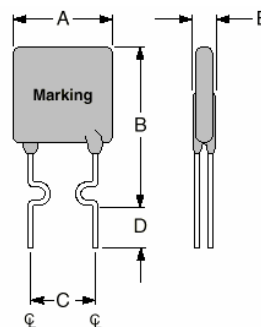
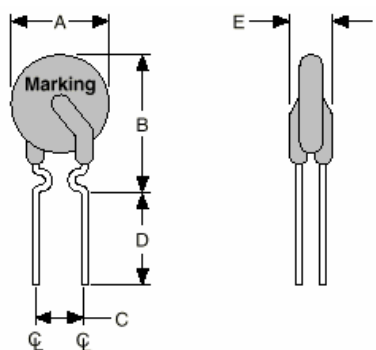
Features

- Radial leded devices
- High switching temperature
- Provides maximum working temperature with 125°C
- Faster tripping, typical application in micro-motors for automobiles
- Protecting against overcurrent and overtemperature faults
- Agency Recognition:UL、CSA、TUV is pending



Product Dimensions (mm)

Part number	A	B	C	D	E	Lead Size(φ)	Style
	Max.	Max.	Max.	Min.	Max.		
DWPH30-050F	7.4	12.7	5.8	7.6	3.3	0.5	1
DWPH30-070F	6.9	10.8	5.8	7.6	3.0	0.5	2
DWPH30-100F	9.7	13.6	5.8	7.6	3.0	0.5	1
DWPH30-300F	10.2	15.5	5.8	7.6	3.8	0.8	3
DWPH30-500F	14.0	24.1	5.8	11.5	3.8	0.8	3
DWPH30-750F	21.1	24.9	10.9	7.6	3.8	0.8	3
DWPH30-1000F	23.5	27.9	10.9	7.6	4.0	0.8	3

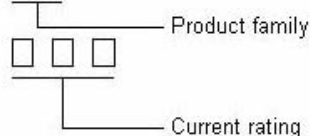


Style 3

Style 2

Marking system

DWPH30



* Lead materials: Tin-plate metal wire.

* The right logo is lead-free mark.





Electrical Characteristic

Part number	I_H	I_T	Max. Time-to-trip		V_{max}	I_{max}	Pd_{typ}	R_{min}	R_{1max}
	(A)	(A)	(A)	(S)	(V)	(A)	(W)	(Ω)	(Ω)
DWPH30-050F	0.5	1.0	2.5	3.0	32	100	0.9	0.3500	1.100
DWPH30-070F	0.7	1.4	3.5	3.2	32	100	0.9	0.2300	0.800
DWPH30-100F	1.0	1.9	5.0	6.2	32	100	1.4	0.1500	0.430
DWPH30-300F	3.0	6.0	15.0	5.0	32	100	3.2	0.0350	0.110
DWPH30-500F	5.0	10.0	25.0	9.0	32	100	5.3	0.0150	0.040
DWPH30-750F	7.5	15.0	37.5	13.0	32	100	6.5	0.0074	0.023
DWPH30-1000F	10.0	20.0	50.0	15.0	32	100	7.0	0.0060	0.016

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 voltage device can withstand without damage at rated current.

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

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_{1max} =Maximum device resistance measured in the nontripped state 1 hour post reflow.

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_{max} , 25°C	$T \leq$ 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} , 2hours	No arcing or burning

Thermal Derating Chart- I_H (A)

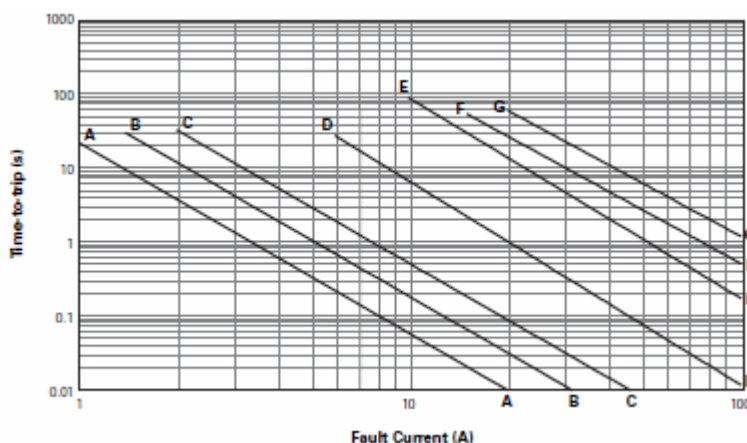
Part number	Maximum ambient operating temperatures(°C)									
	-40	-20	0	25	40	50	60	70	85	125
DWPH30-050F	0.7	0.6	0.60	0.5	0.4	0.400	0.40	0.30	0.300	0.1
DWPH30-070F	1.0	0.9	0.80	0.7	0.6	0.600	0.50	0.50	0.400	0.2
DWPH30-100F	1.4	1.2	1.10	1.0	0.9	0.800	0.70	0.70	0.600	0.2
DWPH30-300F	4.1	3.8	3.42	3.0	2.7	2.430	2.22	1.98	1.650	0.6
DWPH30-500F	6.8	6.3	5.70	5.0	4.5	4.050	3.70	3.30	2.750	1.0
DWPH30-750F	10.2	9.4	8.55	7.5	6.7	6.075	5.55	4.95	4.125	1.5
DWPH30-1000F	13.6	12.5	11.40	10.0	8.9	8.100	7.40	6.60	5.500	2.0

Typical Time-to-trip Curves at 25°C



DWPH30 Series

- A:DWPH30-050F
- B:DWPH30-070F
- C:DWPH30-100F
- D:DWPH30-300F
- E:DWPH30-500F
- F:DWPH30-750F
- G: DWPH30-1000F



Packaging and Marking Information

Bulk: DWPH30-050F~ DWPH30-300F.....500pcs per bag
 DWPH30-500F~ DWPH30-1000F..... 250pcs per bag