



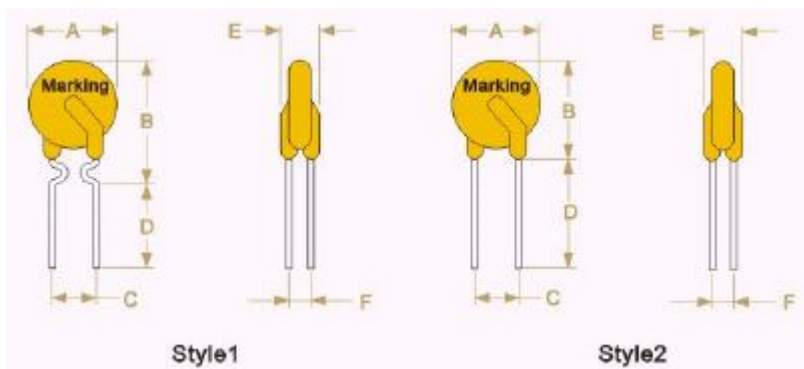
### Features

- Radial leaded devices, higher rated voltage up to 75V
- Cured, flame retardant epoxy polymer insulating material meets UL94 V-0 requirements
- Available in lead-free version
- Agency Recognition: UL、CSA、TUV

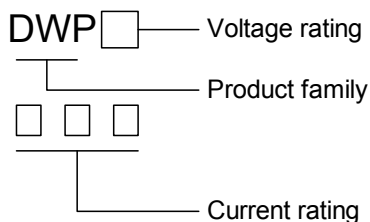


### Product Dimensions

Part number	A	B	C	D	E	F	Lead	
	Max.	Max.	Typ.	Min.	Max.	Typ.	Style	Size(φ)
DWP75-020SF	5.9	10.5	5.1	7.6	3.1	1.1	1	0.5
DWP75-025SF	6.1	10.5	5.1	7.6	3.1	1.1	1	0.5
DWP75-030SF	6.5	11.0	5.1	7.6	3.1	1.1	1	0.5
DWP75-040SF	7.7	12.7	5.1	7.6	3.1	1.1	1	0.5
DWP75-050F	7.9	12.7	5.1	7.6	3.1	1.1	1	0.6
DWP75-065F	9.3	13.8	5.1	7.6	3.1	1.1	1	0.6
DWP75-075F	10.5	15.0	5.1	7.6	3.1	1.1	1	0.6
DWP75-090F	11.5	16.0	5.1	7.6	3.1	1.1	1	0.6
DWP75-110F	12.5	17.0	5.1	7.6	3.1	1.4	2	0.8
DWP75-135F	13.5	18.0	5.1	7.6	3.1	1.4	2	0.8
DWP75-160F	15.5	20.0	5.1	7.6	3.1	1.4	2	0.8
DWP75-185F	16.5	21.0	5.1	7.6	3.1	1.4	2	0.8
DWP75-250F	18.5	22.0	10.2	7.6	3.1	1.4	2	0.8
DWP75-300F	22.0	26.5	10.2	7.6	3.1	1.4	2	0.8
DWP75-375F	25.5	30.0	10.2	7.6	3.1	1.4	2	0.8



### Marking system



\* Lead materials: Tin-plate metal wire.

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





## 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)	(A)	(S)	(V)	(A)	(W)	( $\Omega$ )	( $\Omega$ )	( $\Omega$ )
DWP75-020SF	0.20	0.40	1.00	3.6	75	40	0.52	1.50	2.84	4.52
DWP75-025SF	0.25	0.50	1.25	3.2	75	40	0.52	1.00	1.95	3.00
DWP75-030SF	0.30	0.60	1.50	3.0	75	40	0.59	0.76	1.36	2.13
DWP75-040SF	0.40	0.80	2.00	3.8	75	40	0.66	0.52	0.86	1.29
DWP75-050F	0.50	1.00	2.50	4.0	75	40	0.80	0.41	0.77	1.17
DWP75-065F	0.65	1.30	3.25	5.3	75	40	0.90	0.27	0.48	0.72
DWP75-075F	0.75	1.50	3.75	6.3	75	40	0.95	0.18	0.40	0.60
DWP75-090F	0.90	1.80	4.50	7.2	75	40	1.00	0.14	0.31	0.47
DWP75-110F	1.10	2.20	5.50	8.2	75	40	1.51	0.14	0.25	0.38
DWP75-135F	1.35	2.70	6.75	9.6	75	40	1.71	0.12	0.19	0.30
DWP75-160F	1.60	3.20	8.00	11.4	75	40	1.98	0.09	0.14	0.22
DWP75-185F	1.85	3.70	9.25	12.6	75	40	2.10	0.08	0.12	0.19
DWP75-250F	2.50	5.00	12.50	15.6	75	40	2.50	0.05	0.08	0.13
DWP75-300F	3.00	6.00	15.00	19.8	75	40	2.80	0.04	0.06	0.10
DWP75-375F	3.75	7.50	18.75	24.0	75	40	3.20	0.03	0.05	0.08

$I_H$ =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.

Max. Time-to-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.

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

## Thermal Derating Chart- $I_H(A)$

Part number	Maximum ambient operating temperatures(°C)								
	-40	-20	0	25	40	50	60	70	85
DWP75-020SF	0.34	0.29	0.25	0.20	0.16	0.14	0.13	0.10	0.07
DWP75-025SF	0.42	0.36	0.31	0.25	0.20	0.18	0.16	0.12	0.09
DWP75-030SF	0.52	0.44	0.38	0.30	0.24	0.22	0.18	0.14	0.10
DWP75-040SF	0.66	0.57	0.50	0.40	0.32	0.29	0.24	0.20	0.14
DWP75-050F	0.83	0.74	0.63	0.50	0.41	0.36	0.30	0.25	0.18
DWP75-065F	1.10	0.95	0.82	0.65	0.53	0.47	0.40	0.33	0.24
DWP75-075F	1.26	1.11	0.95	0.75	0.61	0.54	0.45	0.39	0.28
DWP75-090F	1.52	1.30	1.15	0.90	0.73	0.65	0.55	0.47	0.33
DWP75-110F	1.82	1.60	1.35	1.10	0.89	0.79	0.65	0.55	0.40
DWP75-135F	2.20	1.91	1.65	1.35	1.09	0.96	0.80	0.68	0.50
DWP75-160F	2.60	2.30	1.95	1.60	1.30	1.13	1.00	0.80	0.60
DWP75-185F	3.00	2.63	2.30	1.85	1.50	1.33	1.12	0.92	0.67
DWP75-250F	4.05	3.58	3.02	2.50	2.02	1.80	1.55	1.30	0.90
DWP75-300F	4.82	4.16	3.62	3.00	2.43	2.16	1.85	1.50	1.09
DWP75-375F	6.02	5.19	4.50	3.75	3.02	2.68	2.30	1.95	1.39

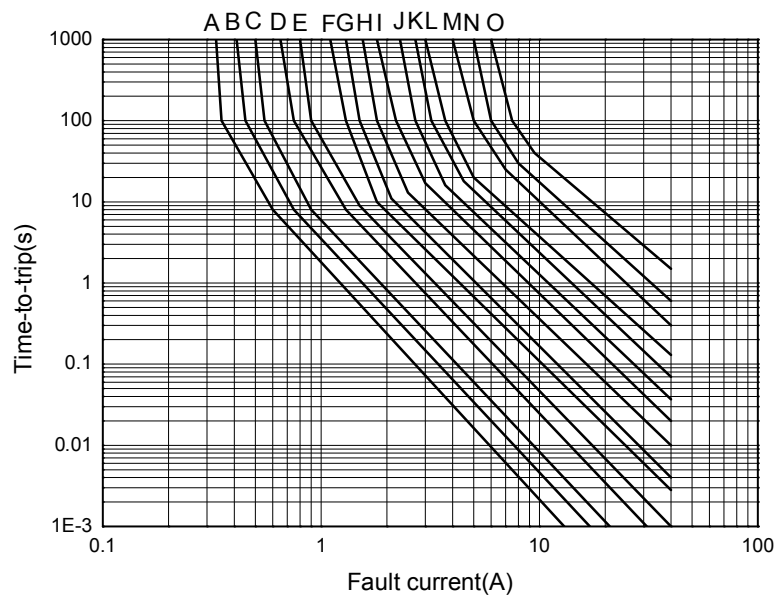
## Test Procedures And Requirements

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	$V_{max}$ , 24hours	No arcing or burning



Typical Time-to-Trip Charts at 25°C

- A=DWP75-020SF
- B=DWP75-025SF
- C=DWP75-030SF
- D=DWP75-040SF
- E=DWP75-050F
- F=DWP75-065F
- G=DWP75-075F
- H=DWP75-090F
- I=DWP75-110F
- J=DWP75-135F
- K=DWP75-160F
- L=DWP75-185F
- M=DWP75-250F
- N=DWP75-300F
- O=DWP75-375F



Package Information

Bulk:

DWP75-020SF~DWP75-065F.....	1000pcs per bag
DWP75-075F~DWP75-135F.....	500pcs per bag
DWP75-160F~DWP75-375F.....	1000pcs per bag

Tape & Reel:

DWP75-020SF~DWP75-090F.....	3000pcs per reel
DWP75-110F~DWP75-160F.....	1500pcs per reel
DWP75-185F~DWP75-375F.....	1000pcs per reel