

Features



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

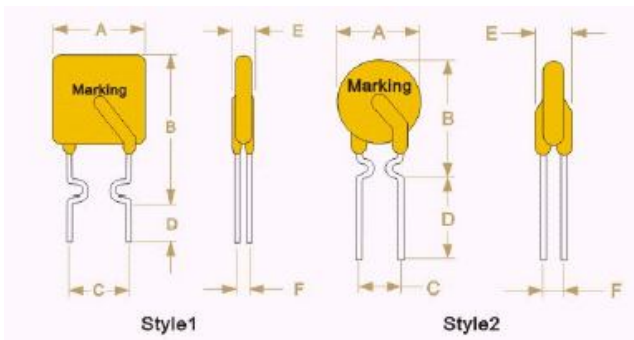


DWP06 series

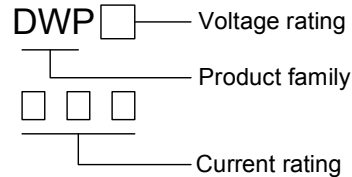
R-line devices

Product Dimensions

Part number	A	B	C	D	E	F	Lead	
	Max.	Max.	Typ.	Min.	Max.	Typ.	Style	Size(φ)
DWP06-075F	6.4	11.4	5.1	7.6	3.0	0.8	2	0.5
DWP06-090F	6.0	14.0	5.1	7.6	3.0	0.9	1	0.5
DWP06-110F	8.2	14.2	5.1	7.6	3.0	0.9	1	0.5
DWP06-120F	7.7	12.6	5.1	7.6	3.0	0.8	2	0.5
DWP06-135F	9.0	14.5	5.1	7.6	3.0	0.9	1	0.5
DWP06-160F	9.0	17.9	5.1	7.6	3.0	0.9	1	0.5
DWP06-185F	11.0	16.7	5.1	7.6	3.0	0.9	1	0.5
DWP06-250F	11.2	20.4	5.1	7.6	3.0	0.9	1	0.5



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		T_{trip}	V_{max}	I_{max}	Pd_{typ}	R_{min}	R_{max}
	(A)	(A)	Current(A)	Time(s)	(S)	(V)	(A)	(W)	(Ω)	(Ω)
DWP06-075F	0.75	1.30	3.75	0.4	0.4	6	40	0.30	0.14	0.23
DWP06-090F	0.90	1.80	4.50	1.2	1.2	6	40	0.60	0.10	0.18
DWP06-110F	1.10	2.20	5.50	2.3	2.3	6	40	0.70	0.08	0.14
DWP06-120F	1.20	2.00	6.00	3.5	3.5	6	40	0.60	0.08	0.14
DWP06-135F	1.35	2.70	6.75	4.5	4.5	6	40	0.81	0.06	0.12
DWP06-160F	1.60	3.20	8.00	9.0	9.0	6	40	0.90	0.05	0.11
DWP06-185F	1.85	3.70	9.25	10.0	10.0	6	40	1.00	0.05	0.09
DWP06-250F	2.50	5.00	12.50	10.0	10.0	6	40	1.21	0.03	0.06

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.

T_{trip} =Maximum time to trip at 5 times hold current (i.e. $5 \cdot I_H$).

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.

Thermal Derating Chart- $I_H(A)$

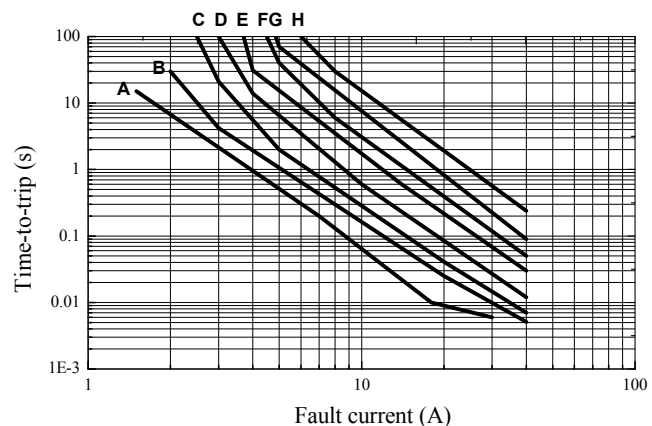
Part number	Maximum ambient operating temperatures(°C)								
	-40	-20	0	25	40	50	60	70	85
DWP06-075F	1.05	0.95	0.85	0.75	0.65	0.60	0.55	0.50	0.43
DWP06-090F	1.40	1.25	1.10	0.90	0.75	0.69	0.65	0.60	0.50
DWP06-110F	1.75	1.52	1.33	1.10	0.99	0.90	0.80	0.73	0.63
DWP06-120F	1.69	1.52	1.36	1.20	1.04	0.96	0.88	0.80	0.68
DWP06-135F	2.15	1.94	1.70	1.35	1.20	1.14	1.00	0.90	0.81
DWP06-160F	2.49	2.21	1.94	1.60	1.42	1.31	1.19	1.03	0.88
DWP06-185F	2.87	2.59	2.28	1.85	1.63	1.52	1.33	1.21	1.05
DWP06-250F	3.82	3.44	3.03	2.50	2.17	2.00	1.81	1.59	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=DWP06-075F
- B=DWP06-090F
- C=DWP06-110F
- D=DWP06-120F
- E=DWP06-135F
- F=DWP06-160F
- G=DWP06-185F
- H=DWP06-250F



Package Information

Bulk:

DWP06-075F~DWP06-250F.....1000pcs per bag

Tape & Reel:

DWP06-075F~DWP06-250F.....3000pcs per reel