



Features

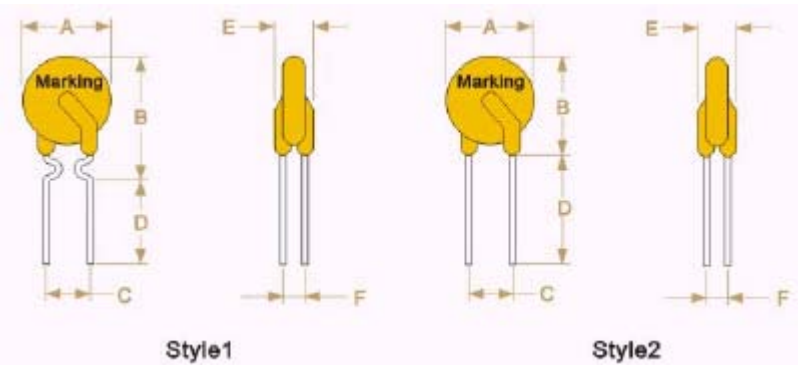
- Radial leaded devices, higher rated voltage up to 75V
- Cured, flame retardant epoxy polymer insulating material meets UL94 V-0 requirements
- Available in lead-free version
- Agency Recognition: UL、CSA、TUV



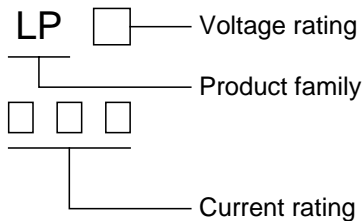
LP75 series R-line devices

Product Dimensions(mm)

| Part number | A | B | C | D | E | F | Lead | |
|-------------|------|------|------|------|------|------|-------|---------|
| | Max. | Max. | Typ. | Min. | Max. | Typ. | Style | Size() |
| LP75-020 | 5.9 | 11.2 | 5.1 | 7.6 | 3.1 | 1.1 | 1 | 0.6 |
| LP75-025 | 6.1 | 11.4 | 5.1 | 7.6 | 3.1 | 1.1 | 1 | 0.6 |
| LP75-030 | 7.6 | 13.4 | 5.1 | 7.6 | 3.1 | 1.1 | 1 | 0.6 |
| LP75-040 | 7.7 | 13.6 | 5.1 | 7.6 | 3.1 | 1.1 | 1 | 0.6 |
| LP75-050 | 7.9 | 13.7 | 5.1 | 7.6 | 3.1 | 1.1 | 1 | 0.6 |
| LP75-065 | 9.7 | 14.5 | 5.1 | 7.6 | 3.1 | 1.1 | 1 | 0.6 |
| LP75-075 | 10.7 | 15.5 | 5.1 | 7.6 | 3.1 | 1.1 | 1 | 0.6 |
| LP75-090 | 11.7 | 16.5 | 5.1 | 7.6 | 3.1 | 1.1 | 1 | 0.6 |
| LP75-110 | 13.0 | 16.7 | 5.1 | 7.6 | 3.1 | 1.4 | 2 | 0.8 |
| LP75-135 | 15.7 | 17.6 | 5.1 | 7.6 | 3.1 | 1.4 | 2 | 0.8 |
| LP75-160 | 16.7 | 19.7 | 5.1 | 7.6 | 3.1 | 1.4 | 2 | 0.8 |
| LP75-185 | 17.8 | 22.9 | 5.1 | 7.6 | 3.1 | 1.4 | 2 | 0.8 |
| LP75-250 | 21.3 | 23.5 | 10.2 | 7.6 | 3.1 | 1.4 | 2 | 0.8 |
| LP75-300 | 24.9 | 27.4 | 10.2 | 7.6 | 3.1 | 1.4 | 2 | 0.8 |
| LP75-375 | 28.5 | 32.5 | 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 of wayon.



Electrical Characteristics

| Part number | I_H (A) | I_T (A) | T_{trip} (S) | V_{max} (V) | I_{max} (A) | Pd_{typ} (W) | R_{min} () | R_{max} () |
|-------------|--------------|--------------|-------------------|------------------|------------------|-------------------|------------------|------------------|
| LP75-020 | 0.20 | 0.40 | 3.6 | 75 | 40 | 0.52 | 1.50 | 2.84 |
| LP75-025 | 0.25 | 0.50 | 3.2 | 75 | 40 | 0.52 | 1.00 | 1.95 |
| LP75-030 | 0.30 | 0.60 | 3.0 | 75 | 40 | 0.59 | 0.76 | 1.36 |
| LP75-040 | 0.40 | 0.80 | 3.8 | 75 | 40 | 0.66 | 0.52 | 0.86 |
| LP75-050 | 0.50 | 1.00 | 4.0 | 75 | 40 | 0.80 | 0.41 | 0.77 |
| LP75-065 | 0.65 | 1.30 | 5.3 | 75 | 40 | 0.90 | 0.27 | 0.48 |
| LP75-075 | 0.75 | 1.50 | 6.3 | 75 | 40 | 0.95 | 0.18 | 0.40 |
| LP75-090 | 0.90 | 1.80 | 7.2 | 75 | 40 | 1.00 | 0.14 | 0.31 |
| LP75-110 | 1.10 | 2.20 | 8.2 | 75 | 40 | 1.51 | 0.14 | 0.25 |
| LP75-135 | 1.35 | 2.70 | 9.6 | 75 | 40 | 1.71 | 0.12 | 0.19 |
| LP75-160 | 1.60 | 3.20 | 11.4 | 75 | 40 | 1.98 | 0.09 | 0.14 |
| LP75-185 | 1.85 | 3.70 | 12.6 | 75 | 40 | 2.10 | 0.08 | 0.12 |
| LP75-250 | 2.50 | 5.00 | 15.6 | 75 | 40 | 2.50 | 0.05 | 0.08 |
| LP75-300 | 3.00 | 6.00 | 19.8 | 75 | 40 | 2.80 | 0.04 | 0.06 |
| LP75-375 | 3.75 | 7.50 | 24.0 | 75 | 40 | 3.20 | 0.03 | 0.05 |

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 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(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 prior to tripping.

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

Thermal Derating Chart- I_H (A)

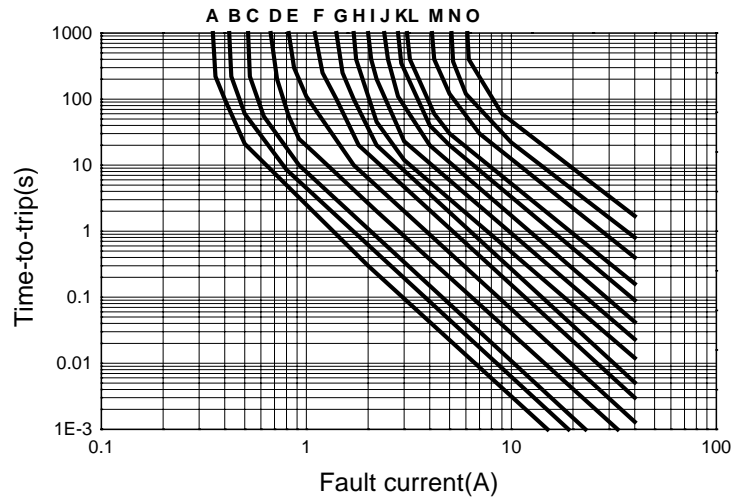
| Part number | Maximum ambient operating temperatures() | | | | | | | | |
|-------------|---|------|------|------|------|------|------|------|------|
| | -40 | -20 | 0 | 25 | 40 | 50 | 60 | 70 | 85 |
| LP75-020 | 0.34 | 0.29 | 0.25 | 0.20 | 0.16 | 0.14 | 0.13 | 0.10 | 0.07 |
| LP75-025 | 0.42 | 0.36 | 0.31 | 0.25 | 0.20 | 0.18 | 0.16 | 0.12 | 0.09 |
| LP75-030 | 0.52 | 0.44 | 0.38 | 0.30 | 0.24 | 0.22 | 0.18 | 0.14 | 0.10 |
| LP75-040 | 0.66 | 0.57 | 0.50 | 0.40 | 0.32 | 0.29 | 0.24 | 0.20 | 0.14 |
| LP75-050 | 0.83 | 0.74 | 0.63 | 0.50 | 0.41 | 0.36 | 0.30 | 0.25 | 0.18 |
| LP75-065 | 1.10 | 0.95 | 0.82 | 0.65 | 0.53 | 0.47 | 0.40 | 0.33 | 0.24 |
| LP75-075 | 1.26 | 1.11 | 0.95 | 0.75 | 0.61 | 0.54 | 0.45 | 0.39 | 0.28 |
| LP75-090 | 1.52 | 1.30 | 1.15 | 0.90 | 0.73 | 0.65 | 0.55 | 0.47 | 0.33 |
| LP75-110 | 1.82 | 1.60 | 1.35 | 1.10 | 0.89 | 0.79 | 0.65 | 0.55 | 0.40 |
| LP75-135 | 2.20 | 1.91 | 1.65 | 1.35 | 1.09 | 0.96 | 0.80 | 0.68 | 0.50 |
| LP75-160 | 2.60 | 2.30 | 1.95 | 1.60 | 1.30 | 1.13 | 1.00 | 0.80 | 0.60 |
| LP75-185 | 3.00 | 2.63 | 2.30 | 1.85 | 1.50 | 1.33 | 1.12 | 0.92 | 0.67 |
| LP75-250 | 4.05 | 3.58 | 3.02 | 2.50 | 2.02 | 1.80 | 1.55 | 1.30 | 0.90 |
| LP75-300 | 4.82 | 4.16 | 3.62 | 3.00 | 2.43 | 2.16 | 1.85 | 1.50 | 1.09 |
| LP75-375 | 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 | R_{min} R 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=LP75-020
 B=LP75-025
 C=LP75-030
 D=LP75-040
 E=LP75-050
 F=LP75-065
 G =LP75-075
 H=LP75-090
 I = LP75-110
 J =LP75-135
 K=LP75-160
 L=LP75-185
 M=LP75-250
 N=LP75-300
 O=LP75-375



Package Information

Bulk:

LP75-005~LP75-065/ LP75-160~LP75-185.....1000pcs per bag

LP75-075~LP75-135/ LP75-250~LP75-300.....500pcs per bag

LP75-375.....250pcs per bag

Tape & Reel:

LP75-005~LP75-090.....3000pcs per reel

LP75-110~LP75-160.....1500pcs per reel

LP75-185~LP75-375.....1000pcs per reel