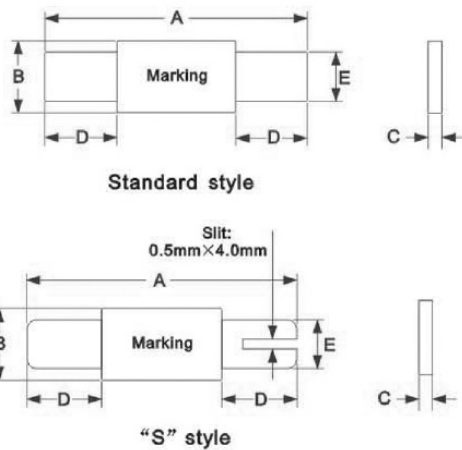


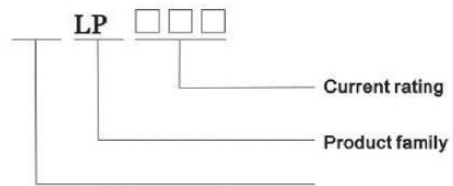
ESKA Fuses

Product Dimensions(mm)

| Part Number | A | B | C | D | E |
|-------------|------|------|------|------|------|
| | Typ. | Typ. | Typ. | Typ. | Typ. |
| LP070 | 20.0 | 5.2 | 0.9 | 6.0 | 4.0 |
| LP100 | 20.0 | 5.2 | 0.8 | 6.0 | 4.0 |
| LP120 | 20.0 | 5.2 | 0.8 | 6.0 | 4.0 |
| LP175 | 22.0 | 5.2 | 0.8 | 5.0 | 4.0 |
| LP180 | 22.0 | 5.2 | 0.8 | 5.0 | 4.0 |
| LP190 | 22.0 | 8.2 | 0.8 | 6.2 | 5.0 |
| LP200 | 22.0 | 8.2 | 0.7 | 6.2 | 5.0 |
| LP260 | 22.0 | 8.2 | 0.8 | 6.2 | 5.0 |
| LP300 | 27.0 | 13.3 | 0.8 | 6.0 | 5.0 |
| LP310 | 27.0 | 13.3 | 0.8 | 6.0 | 5.0 |
| LP340 | 27.0 | 13.3 | 0.8 | 6.0 | 5.0 |
| LP350 | 27.0 | 13.3 | 0.8 | 6.0 | 5.0 |
| LP420 | 31.0 | 13.2 | 0.8 | 6.3 | 5.0 |



Part Marking System



- ※Lead material:nickel
- ※Insulating material:polyester tape

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 | $T \leq \max. \text{ Time to trip}(T_{trip})$ |
| Hold Current | 30 min, at I_H | No trip |
| Trip Cycle Life | V_{max} , I_{max} , 100cycles | No arcing or buring |
| Trip Endurance | V_{max} , 24hours | No arcing or buring |

ESKA Fuses

Electrical Characteristics

| Part Number | I_H | I_T | T_{trip} | | V_{max} | I_{max} | R_{min} | R_{max} |
|-------------|-------|-------|------------|---------|-----------|-----------|-----------|-----------|
| | (A) | (A) | Current(A) | Time(S) | | | | |
| LP070 | 0.70 | 1.45 | 3.5 | 5.0 | 15 | 100 | 0.100 | 0.200 |
| LP100 | 1.00 | 2.50 | 5.0 | 7.0 | 24 | 100 | 0.070 | 0.130 |
| LP120 | 1.20 | 2.70 | 6.0 | 5.0 | 15 | 100 | 0.085 | 0.160 |
| LP175 | 1.75 | 3.80 | 8.5 | 5.0 | 15 | 100 | 0.050 | 0.090 |
| LP180 | 1.80 | 3.80 | 9.0 | 2.9 | 24 | 100 | 0.040 | 0.068 |
| LP190 | 1.90 | 4.20 | 9.5 | 3.0 | 24 | 100 | 0.030 | 0.057 |
| LP200 | 2.00 | 4.40 | 10.0 | 4.0 | 30 | 100 | 0.030 | 0.060 |
| LP260 | 2.60 | 5.20 | 13.0 | 5.0 | 24 | 100 | 0.250 | 0.042 |
| LP300 | 3.00 | 6.30 | 15.0 | 4.0 | 24 | 100 | 0.015 | 0.031 |
| LP310 | 3.10 | 6.00 | 15.5 | 5.0 | 24 | 100 | 0.018 | 0.030 |
| LP340 | 3.40 | 6.80 | 17.0 | 5.0 | 24 | 100 | 0.016 | 0.027 |
| LP350 | 3.50 | 6.30 | 20.0 | 3.0 | 24 | 100 | 0.017 | 0.031 |
| LP420 | 4.20 | 7.60 | 20.0 | 6.0 | 24 | 100 | 0.012 | 0.024 |

- 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.
- T_{trip} =Maximum time to trip(s) at assigned current.
- 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.
- 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 |
| LP070 | 1.32 | 1.21 | 0.99 | 0.70 | 0.63 | 0.60 | 0.50 | 0.39 | 0.26 |
| LP100 | 2.00 | 1.73 | 1.52 | 1.00 | 0.99 | 0.85 | 0.75 | 0.61 | 0.40 |
| LP120 | 1.95 | 1.74 | 1.54 | 1.20 | 1.07 | 0.98 | 0.87 | 0.76 | 0.58 |
| LP175 | 2.57 | 2.36 | 2.07 | 1.75 | 1.59 | 1.39 | 1.27 | 1.18 | 0.99 |
| LP180 | 3.23 | 2.88 | 2.35 | 1.80 | 1.48 | 1.20 | 1.10 | 0.75 | 0.45 |
| LP190 | 3.50 | 3.00 | 2.51 | 1.90 | 1.60 | 1.35 | 1.20 | 0.88 | 0.52 |
| LP200 | 3.28 | 2.88 | 2.59 | 2.00 | 1.81 | 1.70 | 1.52 | 1.31 | 1.02 |
| LP260 | 4.40 | 3.80 | 3.19 | 2.60 | 2.10 | 1.80 | 1.49 | 1.19 | 0.70 |
| LP300 | 5.20 | 4.49 | 3.78 | 3.00 | 2.39 | 2.04 | 1.70 | 1.35 | 0.78 |
| LP310 | 5.46 | 4.68 | 3.80 | 3.10 | 2.45 | 2.11 | 1.80 | 1.40 | 0.80 |
| LP340 | 5.60 | 4.88 | 4.10 | 3.40 | 2.70 | 2.33 | 2.00 | 1.60 | 0.89 |
| LP350 | 5.51 | 4.89 | 4.42 | 3.58 | 3.00 | 2.89 | 2.62 | 2.28 | 1.79 |
| LP420 | 6.53 | 5.81 | 5.20 | 4.20 | 3.69 | 3.38 | 3.10 | 2.75 | 2.24 |

Agency Recognition

UL, CSA.....E 202125
TUVR 02134634



Package Information

- Bulk:**
- LP070-LP260.....1000pcs per bag
 - LP300-LP420.....500pcs per bag