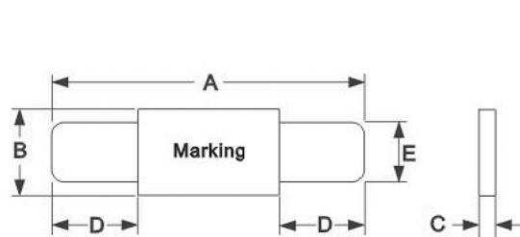


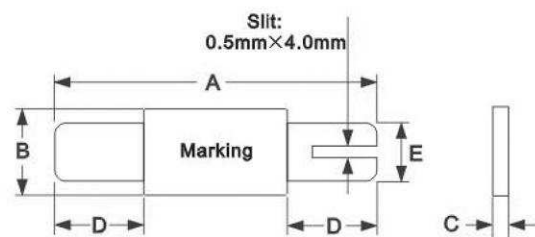
# ESKA Fuses

## Product Dimensions(mm)

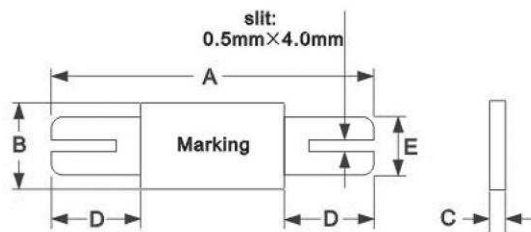
Part Number	A Typ.	B Typ.	C Typ.	D Typ.	E Typ.
LR170	25	3.8	0.8	5.0	3.2
LR180	25	3.8	0.8	5.0	3.2
LR210	25	3.8	0.8	5.0	3.2



Standard style

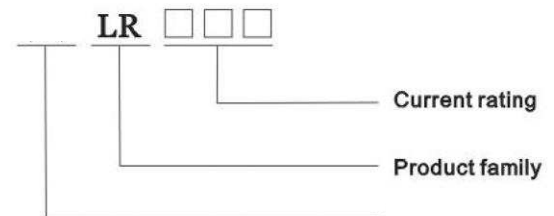


"S" style



"SS" style

## 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	$T \leq \text{max. Time to trip}(T_{trip})$
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

## ■ Electrical Characteristics

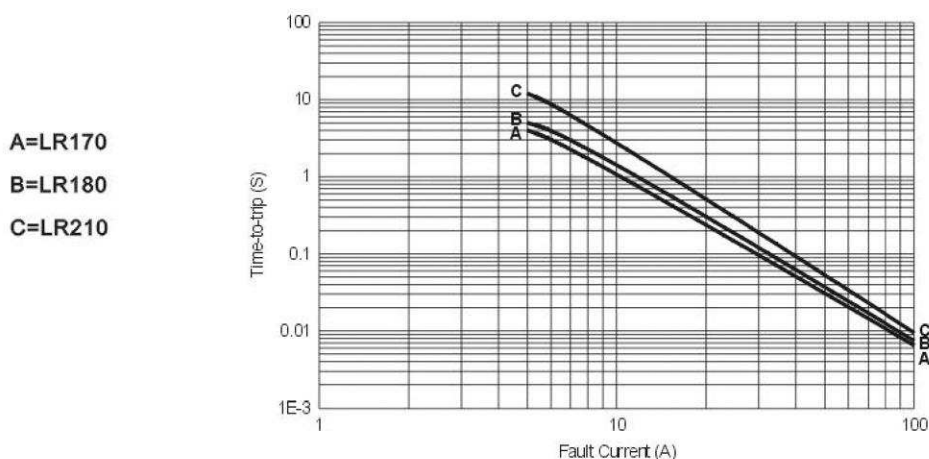
Part Number	$I_H$	$I_T$	$T_{trip}$		$V_{max}$	$I_{max}$	$R_{min}$	$R_{max}$
	(A)	(A)	Current(A)	Time(S)	(V)	(A)	( $\Omega$ )	( $\Omega$ )
LR170	1.70	3.40	8.5	2.5	15	100	0.024	0.045
LR180	1.80	3.60	9.0	3.0	15	100	0.024	0.035
LR210	2.10	4.20	10.0	4.0	15	100	0.018	0.030

- $I_H$ =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
LR170	3.50	2.90	2.40	1.70	1.20	1.00	0.70	0.30
LR180	3.40	2.90	2.30	1.80	1.30	1.00	0.80	0.50
LR210	4.00	3.40	2.70	2.10	1.50	1.20	0.90	0.60

## ■ Typical Time-to-Trip Charts at 25°C



## ■ Agency Recognition

UL, CSA.....Pending  
TUV .....Pending

## ■ Package Information

**Bulk:**  
● LR170~LR210.....1000pcs per bag