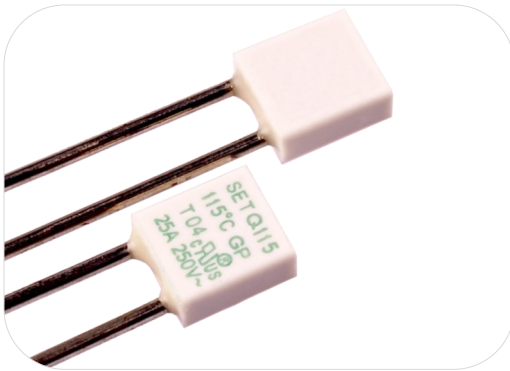# DC-ATCO
Direct Current Thermal-Link (Alloy Type)

Q Series

Description

The Direct Current Thermal-Link Alloy Type (DC-ATCO) is defined as a non-resettable protective device functioning one time only. It is widely used in electrical equipment. ATCO is mainly consist of fusible alloy, flux resin, case, sealant and lead wires. Normally, fusible alloy is jointed to the two lead wires. Under abnormal conditions, when the temp. reaches to the fusing temp. of ATCO, the fusible alloy melts and quickly retracts to the two lead wire ends with the aid of the flux resin and disconnects the circuit completely.

SETsafe | SETfuse Direct Current Thermal-Link Alloy Type (DC-ATCO) Q series Rated Functioning Temp. from 102 ℃ to 136 ℃, Rated Current: 25A, safety certification Includes UL, cUL, TUV, CCC, PSE, and complies with RoHS and REACH.

Features

- Non-Resettable
- High Accuracy of Functioning Temp.
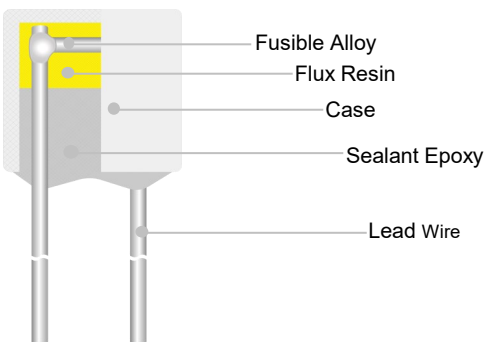- High Surge Capacity
- RoHS & REACH Compliant

Applications

- Surge Protective Devices
- Power Strips
- Lamps
- Switched-Mode Power Supplies
- Home Electrical Appliances
- Batteries

Customization

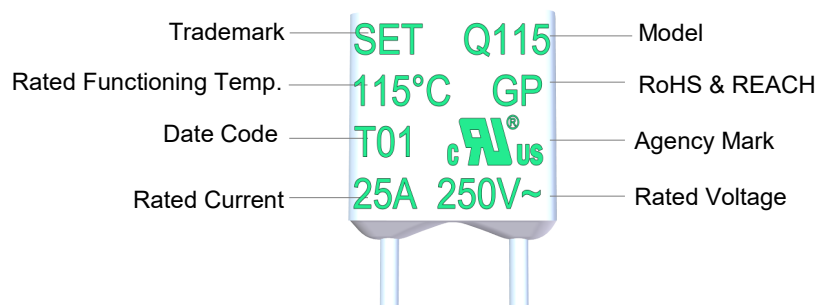- Other Temp.
- The Length of Lead Wires
- Leads Forming Types

Structure Diagrams

Radial

- Fusible Alloy
- Flux Resin
- Case
- Sealant Epoxy
- Lead Wire

Marking

Radial (Color for reference only)

- Trademark — SET Q115 — Model
- Rated Functioning Temp. — 115°C GP — RoHS & REACH
- Date Code — T01 cRUus — Agency Mark
- Rated Current — 25A 250V~ — Rated Voltage

Remark: The Date Code means Year and quarter: A stands for 2000, B stands for 2001 and 01 stands for the first quarter, 02 stands for the second quarter, and so on.

Dimensions (mm)
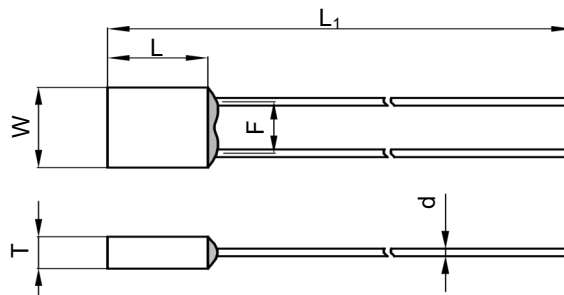
L	L₁	W	T	d	F
11.5 ± 0.5	50.0 ± 2.0	10.8 ± 0.5	4.8 ± 0.2	1.60 ± 0.05	6.6 ± 0.8

DC-ATCO
Direct Current Thermal-Link (Alloy Type)

Q Series

Specifications

Rated Functioning Temp. (T_f) °C	Model	Fusing Temp. (°C)	T_h (°C)	T_m (°C)	I_r (A)	U_r (V)	I_n 8/20 μs (15 Times) (kA)	I_{max} 8/20 μs (1 Time) (kA)	UL	cUL	TUV	PSE	CCC	RoHS REACH
136	Q136	131 ± 2	102	200	25	AC 250	15	30	●	●	○	●	○	●
						AC 300			●	●	○	●	○	●
						AC 400			○	○	●	●	●	●
						DC 120			○	○	●	○	●	●
125	Q125	121 ± 2	90	200	25	AC 250	15	30	○	○	○	●	○	●
						AC 400			○	○	●	●	●	●
						DC 120			○	○	●	●	●	●
115	Q115	111 ± 2	82	200	25	AC 250	15	30	●	●	○	●	○	●
						AC 300			●	●	○	●	○	●
						AC 400			○	○	●	●	●	●
						DC 120			○	○	●	○	●	●
102	Q102	98 ± 2	66	200	25	AC 250	12	25	○	○	○	●	○	●
						AC 400			○	○	●	●	●	●
						DC 120			○	○	●	○	●	●

Note:

1: "●"Means certificated, "○"Means non-certificated.

2: RoHS & REACH Compliant .

Agency Information

Agency Symbol	Standards	The File No. and certification No. obtained by SETsafe | SETfuse
UL®	UL 60691	E214712
cUL®	CAN-CSA-E60691	E214712
(triangle)	EN 60691	R50259029
PSE	J60691	JET2121-32001-2032、JET2121-32001-2033
CCC	GB 9816.1	2020980205000180

Soldering

Hand-Soldering

1. Soldering should be carried out according to Table T-1.

2. The thermal element of ATCO is fusible alloy with low melting point, which is jointed with ATCO lead wires. Improper soldering operation (too high soldering temp. , too long soldering time, too short lead wire etc.) may transfer more heat to the thermal element and ATCO may open in advance.

3. When soldering conditions are more severe than those listed in Table T-1, a heat sink fixture should be used between soldering point and ATCO body.

4. When soldering, please do not pull / push or twist ATCO body or lead wires.

5. After soldering, let it naturally cool for longer than 20 seconds. During cooling, never move the ATCO body or lead wires.
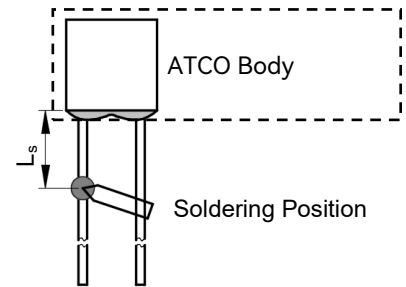

ATCO Body

L_s

Soldering Position

FIGURE T-1

TABLE T-1 Hand-Soldering Time

Rated Functioning Temp. (T_f)	Max. Allowable Soldering Time for Different Lead Wire Length (Fig.T-1)									Max. Soldering Temp.
	L_s Length	Time		L_s Length	Time		L_s Length	Time		
		Tinned Copper Wire	CP Wire		Tinned Copper Wire	CP Wire		Tinned Copper Wire	CP Wire	
(°C)	(mm)	(s)	(s)	(mm)	(s)	(s)	(mm)	(s)	(s)	(°C)
102 to 115	10	1[a]	4	20	2	5	30	3	6	
116 to 135	10	1[a]	4	20	3	6	30	5	8	400
136 to 150	10	3	6	20	5	8	30	5	8	

Note:
a: Auxiliary Heat Sink Fixture is Required to Avoid ATCO Cutting off Unexpectedly.
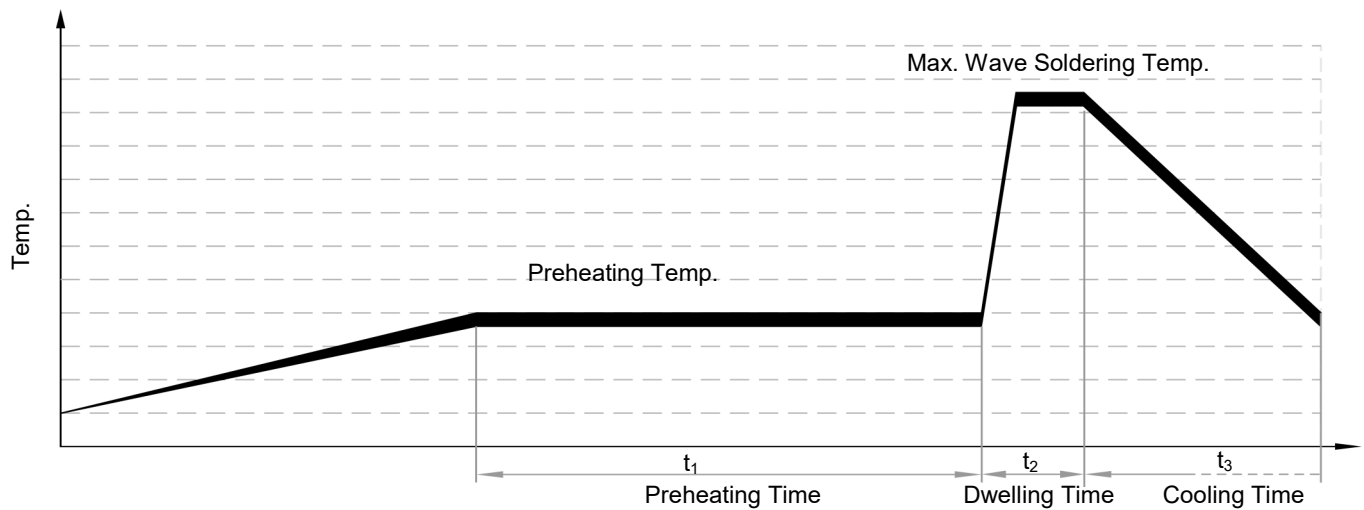
Wave Soldering

The wave soldering parameters as Table T-2, for reference only, when ATCO is for practice use, you need to do some validation experiments. For example, using X-RAY to see the fusible alloy of ATCO whether damage after wave soldering.

TABLE T-2 Wave Soldering Parameters Setting

| Rated Functioning Temp. (T_f)	Max. Allowable Preheating Temp. When the Length of Lead Wire is Different (Fig.T-1)				Preheating Time (t_1)	Max. Wave Soldering Temp.	Dwelling Time (t_2)	Cooling Time (t_3)
	L_s Length	Preheating Temp.	L_s Length	Preheating Temp.				
(°C)	(mm)	(°C)	(mm)	(°C)	(s)	(°C)	(s)	(s)
102 to 130	建议手工焊接							
131 to 150	20	80	30	90	< 60	≤ 260	≤ 3	≤ 10

Product Temp.-Time Curve (Reference)

The Temp.-Time Curve of Thermal-Link in different temp. oil bath.
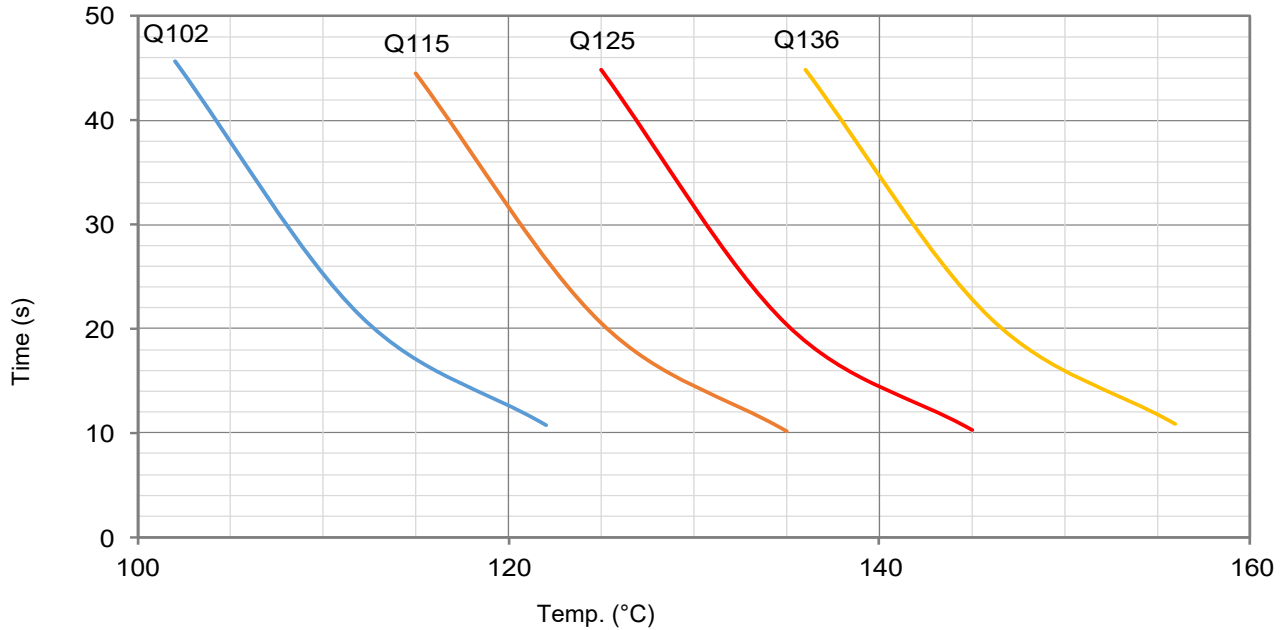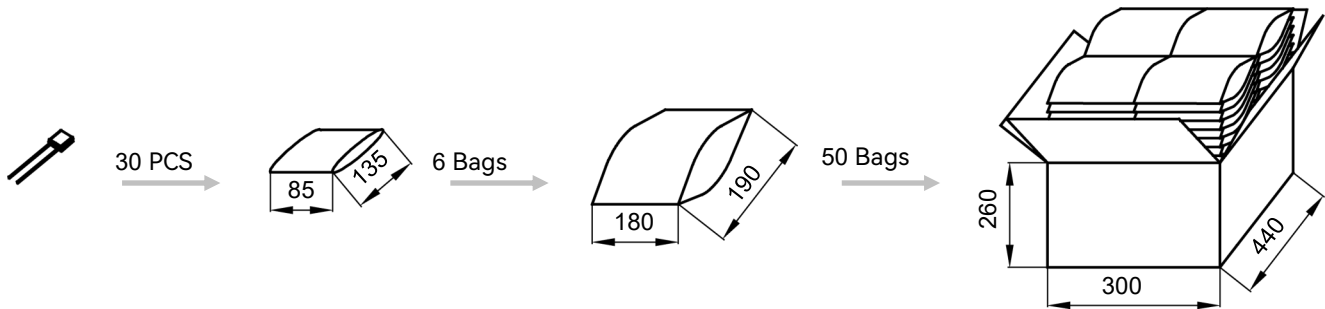

Product Current-Time Curve (Reference)

The Current-Time Curve shows functioning time at multi-times rated current at room temperature 25 ± 2 °C.
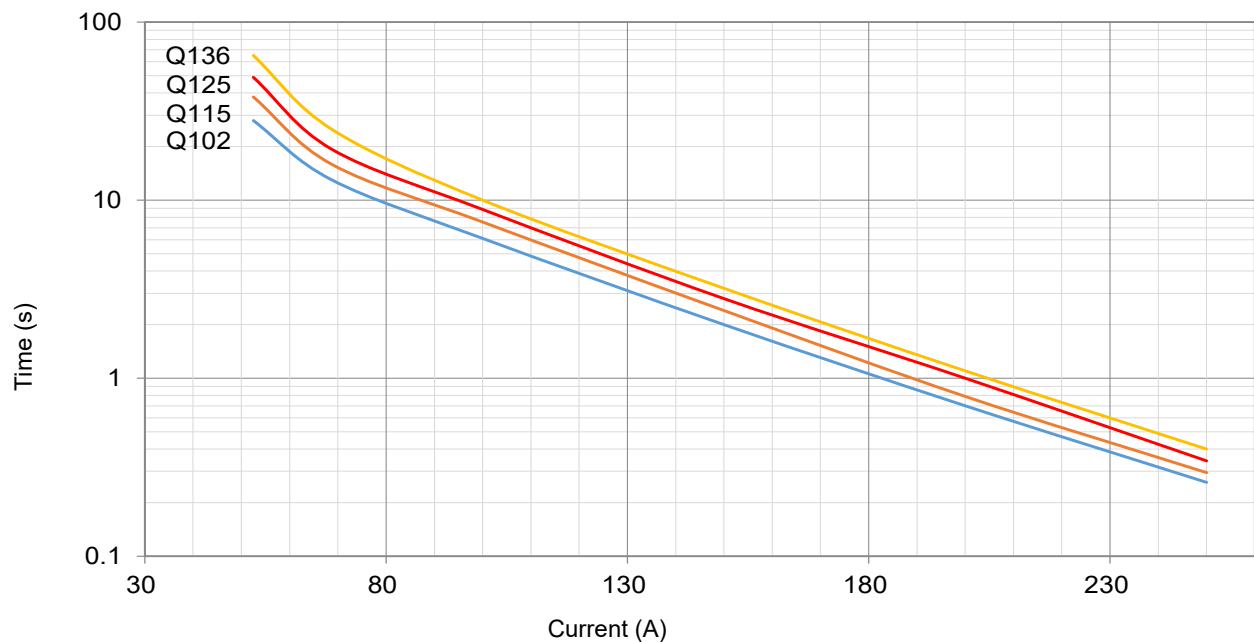
Packaging Information

Bulk

Item	PE Bag	PE Bag	Carton
Dimensions (mm)	135 × 85	190 × 180	440 × 300 × 260
Quantity (PCS)	30	180	9000
Gross Weight (kg)			24.0 ± 10%

30 PCS → 85 × 135 → 6 Bags → 180 × 190 → 50 Bags → 260 × 300 × 440

Part Numbering System

ATCO – Q 115 - A N N A B - 001

Other Options

Packing

B	Bulk
T	Taping

Leads Forming

A	Straight Lead
B	Single Lead Bending
C	Leads Bending
D	Leads Kinking
E	Leads Bending and Kinking

Color of Insulation Tube

W	White
Y	Yellow
R	Red
K	Black
N	None

Insulation Tube Material

T	Teflon
P	Polyester
N	None

Lead Wire Type

A	Tinned Copper Wire
B	Tinned Copper Plated Wire

Rated Functioning Temp.

115	115 °C, See Specifications

Series

Q	Series See Specifications

Product Category

ATCO	Alloy Thermal-Link

Glossary

Item	Description
TCO	**Thermal-Link** A non-resettable device incorporating a THERMAL ELEMENT which will open a circuit once only when exposed for a sufficient length of time to a temperature in excess of that for which it has been designed. — (GB 9816.1)
ATCO	**Alloy Thermal-Link** Alloy Type Thermal-Link, Alloy is the thermal element. — (GB 9816.1)
T_f	**Rated Functioning Temp.** The temperature of the Alloy Thermal-Link which causes it to change the state of conductivity with a detection current up to 10 mA as the only load. — (GB 9816.1) Tolerance: T_f °C (GB 9816.1, EN 60691, K60691). Tolerance: $T_f \pm 7$ °C (J60691).
Fusing Temp.	**Fusing Temp.** The temperature of the Alloy Thermal-Link which causes it to change its state of conductivity is measured with silicone oil bath in which the temperature is increased at the rate of 0.5 °C to 1 °C / minute, with a detection current up to 10 mA as the only load. — (GB 9816.1)
T_h	**Holding Temp.** The Maximum temperature at which a Alloy Thermal-Link will not change its state of conductivity when conducting rated current for 168 hours. — (GB 9816.1)
T_m	**Maximum Temp. Limit** The temperature of the Alloy Thermal-Link stated by the manufacturer, up to which the mechanical and electrical properties of the Alloy Thermal-Link having changed its state of conductivity, will not be impaired for a given time. — (GB 9816.1)
I_r	**Rated Current** The current used to classify a Alloy Thermal-Link, which is the Maximum current that Alloy Thermal-Link allows to carry and is able to cut off the circuit safely. — (GB 9816.1)
U_r	**Rated Voltage** The voltage used to classify a Alloy Thermal-Link, which is the Maximum voltage that Alloy Thermal-Link allows to carry and is able to cut off the circuit safely. — (GB 9816.1)
I_n	**Nominal Discharge Current** Being able to withstand 15 peak currents of waveform 8/20 μs to test the product's durability of withstanding pulse current. — (UL 1449)
I_{max}	**Max. Discharge Current** Being able to withstand 1 peak current of waveform 8/20 μs to test max. pulse current that the product can withstand. — (UL 1449)

ATTENTION

Usage

1. When atmosphere pressure is from 80 kPa to 106 kPa, the related altitude shall be from 2000 meters to - 500 meters.
2. Operating voltage less than rated voltage of ATCO, operating current less than rated current of ATCO.
3. Do not touch the ATCO body or lead wires directly when power is on, to avoid burn or electric shock.

Replace

ATCO is a non-repairable product. For safety sake, it shall be replaced by an equivalent ATCO from the same manufacturer, and mounted in the same way.

Storage

Do not store the ATCO at the high temp., high humidity or corrosive gas environment, avoid influencing the solder-ability of the lead wires, the product shall be used up within 1 year after receiving the goods.

Installation

Make Sure the Temp. of Installation Position.
1. It is recommended that a dummy ATCO with inbuilt thermo-couple shall be used to determine the proper temp.
2. The terminal product should be tested to ensure that potential abnormal conditions do not cause ambient temp. to exceed the T_m of the ATCO.
3. Mount the ATCO at the location where temp. rises evenly.

Installation position of mechanical performance requirements.
1. Do not locate the ATCO in a place where severe vibration always occurs.
2. Ensure that the lead wire is long enough, and avoid actions such as press, tensile or twist.
3. The seal or body of ATCO must not be damaged, burned or over heated.

## Mechanical Connection

Riveting

1. Choose small resistivity riveting material and be riveted.
2. A flexible lead or lead with low resistance should be used to rivet the ATCO.
3. Contact resistance should be minimal, large contact resistance will lead to higher temp., ATCO Functioning in advance.

Crimping

1. Choose small resistivity crimping material and be crimped.
2. A flexible lead or lead with low resistance should be used to rivet the ATCO.
3. Contact resistance should be minimal, large contact resistance will lead to higher Temp., ATCO Functioning in advance.

Lead Wire Forming

1. If lead wire has to be bent, please pay attention to the distance between body and bending point. Refer to Table T-3.
2. When bending leads, please use pincher or similar tools to fix the product as shown in Fig.T-2, to avoid damaging the product.
3. During forming and mounting, lead wire should not be cut, nicked, bent sharply, to avoid breaking the product.
4. Tangential forces on the leads must be avoided (i.e. pushing or pulling on the leads at angle to ATCO body) as such forces may damage the seal of ATCO.
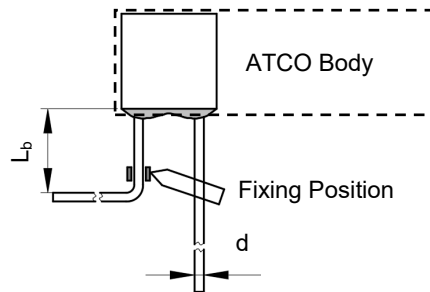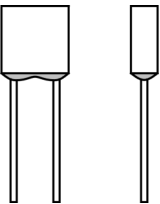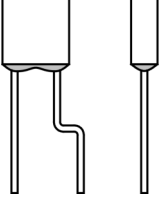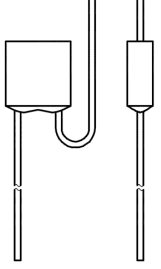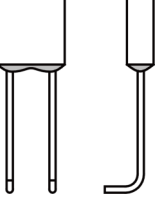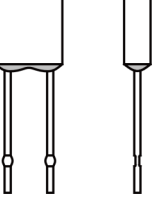

FIGURE T–2
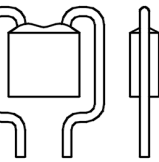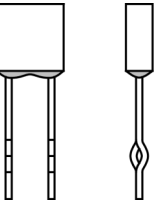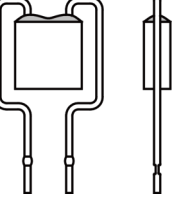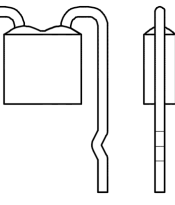
TABLE T-3 Distance between Body and Bending Point

Circular lead	d	(mm)	< 1.0	1.0 - 1.2	> 1.2
	L_b	(mm)	≥ 3	≥ 5	≥ 10

Leads Forming Types

The below leads forming is for reference, more leads forming can be customized.
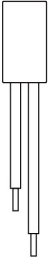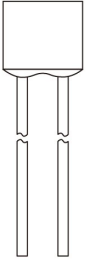
Radial

A	B	C	D	E
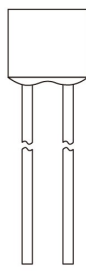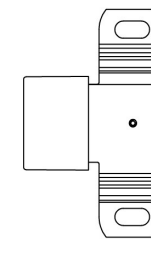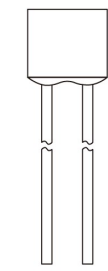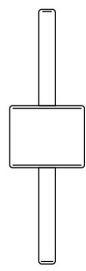
Direct Current Thermal-Link Alloy Type (DC-ATCO) Features & Model List Overview

Rated Functioning Temp. (T_r) °C / **Model**

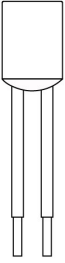| T_r °C	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8	Col9
230	○	○	○	○	○	○	○	○	○
221	○	○	○	○	○	○	○	○	○
205	○	○	○	○	○	○	○	○	○
200	○	○	○	○	○	○	○	○	○
187	TGH187-HVS^	ASL187A-LSF^	RSK187A-KSS^	RVH187-HSF^	ARL187-LRA^	○	○	RQF187-FQS^	○
160	○	○	○	○	○	○	○	○	○
150	TGH150-HVS^	ASL150A-LSF^	RSK150A-KSS^	RVH150-HSF^	ARL150-LRA^	RPK150-HRZ^	TG150C-HQZ^	RQF150-FQS^	TG150C-JPZ^
145	○	○	○	○	○	○	○	○	○
139	○	○	○	○	○	○	○	○	○
136	TGH136-HVS^	ASL136A-LSF^	RSK136A-KSS^	RVH136-HSF^	ARL136-LRA^	RPK136-HRZ^	TG136C-HQZ^	RQF136-FQS^	TG136C-JPZ^
135	○	○	○	○	○	○	○	○	○
133	○	○	○	○	○	○	○	○	○
130	TGH130-HVS^			RVH130-HSF^	○	○	○	RQF130-FQS^	○
125	TGH125-HVS^	ASL125A-LSF^	RSK125A-KSS^	RVH125-HSF^	ARL125-LRA^	RPK125-HRZ^	TG125C-HQZ^	RQF125-FQS^	TG125C-JPZ^
123	○	○	○	○	○	○	○	○	○
120	○	○	○	○	○	○	○	○	○
115	TGH115-HVS^	ASL115A-LSF^	RSK115A-KSS^	RVH115-HSF^	ARL115-LRA^	RPK115-HRZ^	TG115C-HQZ^	RQF115-FQS^	TG115C-JPZ^
105	○	○	○	○	○	○	○	○	○
102	TGH102-HVS^	ASL102A-LSF^	RSK102A-KSS^	RVH102-HSF^	ARL102-LRA^	RPK102-HRZ^	TG102C-HQZ^	RQF102-FQS^	TG102C-JPZ^
97	○	○	○	○	○	○	○	○	○
93	○	○	○	○	○	○	○	○	○
86	○	○	○	○	ARL86-LRA^	○	TG86C-HQZ^	RQF86-FQS^	○
76	○	○	○	○	○	○	○	○	○
I_r (A) Rated Current	15	30	25	15	30	15	15	10	20
U_r (VDC)^ Rated Voltage	850	600			500			450	400
U_r (VAC)* Rated Voltage	○	○		○		○		○	○

Product Structure: Axial Shape | Radial Shape | Axial Shape | Radial Shape | Axial Shape | Radial Shape | Axial Shape
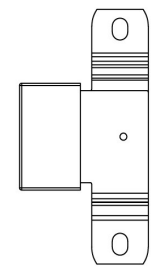
SETsafe | SETfuse | Q Series

Direct Current Thermal-Link Alloy Type (DC-ATCO) Features & Model List Overview

Rated Functioning Temp. (T_f) °C

Model

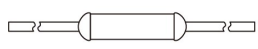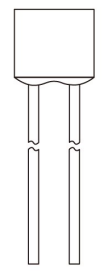| T_f (°C)												
230	○	○	○	○	○	○	○	○	○	○	○	○
221	○	○	○	○	○	○	○	○	○	○	○	○
205	○	○	○	○	○	○	○	○	○	○	○	○
200	○	○	○	○	○	○	○	○	○	○	○	○
187	○	○	○	○	○	○	○	○	○	○	○	○
160	○	○	○	○	○	○	○	○	○	○	○	○
150	TG150C-JSZ*	○	○	○	HN150^*	HP150^*	HS150^*	○	QD150^	PD150^	TD150^	SD150^
145	○	○	○	○	○	○	○	○	○	○	○	○
139	○	○	○	○	○	○	○	○	○	○	○	○
136	TG136C-JSZ*	○	○	○	HN136^*	HP136^*	HS136^*	○	QD136^	PD136^	TD136^	SD136^
135	○	○	○	○	○	○	○	○	○	○	○	○
133	○	○	○	○	○	○	○	○	○	○	○	○
130	○	○	○	○	○	○	○	○	QD130^	PD130^	TD130^	SD130^
125	TG125C-JSZ*	○	○	○	HN125^*	HP125^*	HS125^*	ALP125-PLZ^	QD125^	PD125^	TD125^	SD125^
123	○	○	○	○	○	○	○	○	○	○	○	○
120	○	○	○	○	○	○	○	○	○	○	○	○
115	TG115C-JSZ*	○	○	ALP115-HLZ^	○	○	○	○	QD115^	PD115^	TD115^	SD115^
105	○	○	○	○	○	○	○	○	○	○	○	○
102	TG102C-JSZ*	○	○	○	○	○	○	ALP102-PLZ^	QD102^	PD102^	TD102^	SD102^
97	○	○	○	○	○	○	○	○	○	○	○	○
93	○	○	○	○	○	○	○	○	○	○	○	○
86	○	TG86C-HSZ*	RPF86-FPF^	○	○	○	○	○	○	○	○	○
76	○	○	○	○	○	○	○	○	○	○	○	○
I_r (A) Rated Current	20	15	10	15	15	10	5	60	20	15 / 16	10	25
U_r (VDC)^ Rated Voltage	○	400			200			180		125		
U_r (VAC)* Rated Voltage	600	○	○	690		500		○		○		
Product Structure	Axial Shape	Radial Shape		Axial Shape						Radial Shape		

Q Series

Direct Current Thermal-Link Alloy Type (DC-ATCO) Features & Model List Overview

Rated Functioning Temp. (T_r) °C — **Model**

T_r °C													
230	○	○	○	○	○	○	○	○	○	○	○	○	ADN230B-NEZ
221	○	○	○	○	○	○		○		○	○	○	○
205	○	○	○	○	○	○		○		○	○	○	○
200	○	○	○	○	○	○		○		○	○	○	○
187	○	○	○	○	○	○		○		○	○	○	○
160	○	○	○	○	○	○		○		○	○	○	○
150	○	○	○	○	○	○		○		○	S150^	T150^	○
145	○	○	○	○	○	○		○		○	○	○	○
139	○	○	○	○	○	○	○	○	○	○	○	○	○
136	Q136^*	Q136*	Q136*	P136^*	P136*	P136*	TB136-UHZ^	TB136-UJZ*	TS136-RHZ^	TS136-RJZ*	S136^	T136^	○
135	○	○	○	○	○	○	○	○	○	○	○	○	○
133	○	○	○	○	○	○	○	○			○	○	○
130	○	○	○	○	○	○	TB130-UHZ^	TB130-UJZ*	○	○	○	○	○
125	Q125^*	○	○	P125^*	○	○	TB125-UHZ^	TB125-UJZ*	TS125-RHZ^	TS125-RJZ*	○	○	○
123	○	○	○	○	○	○	○	○	○	○	○	○	○
120	○	○	○	○	○	○	○	○	○	○	○	○	○
115	Q115^*	Q115*	Q115*	P115^*	P115*	P115*	TB115-UHZ^	TB115-UJZ*	TS115-RHZ^	TS115-RJZ*	S115^	T115^	○
105	○	○	○	○	○	○	○	○	○	○	○	○	○
102	Q102^*	○	○	P102^*	P102*	P102*	TB102-UHZ^	TB102-UJZ*	TS102-RHZ^	TS102-RJZ*	S102^	T102^	○
97	○	○	○	○	○	○	○	○	○	○	○	○	○
93	○	○	○	○	○	○	○	○	○	○	○	○	○
86	○	○	○	○	○	○	○	○	○	○	○	○	○
76	○	○	○	○	○	○	○	○	○	○	○	○	○

I_r (A) Rated Current	25			20			200		100		10	15 / 16	50
U_r (VDC)^ Rated Voltage	120						100	○	100		100		60
U_r (VAC)* Rated Voltage	400	300	250	400	300	250	○	125	○	125	○		○

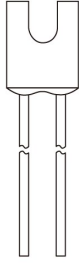**Product Structure**

Radial Shape   Axial Shape

SETsafe | SETfuse

Q Series

Direct Current Thermal-Link Alloy Type (DC-ATCO) Features & Model List Overview

Rated Functioning Temp. (T_f) °C / **Model**

T_f (°C)	15	10	9	8.5	8	6	5	4	3	2.5	2	1	4	3	2	1
230																
221	R31^*	U31^*					C31^*		B31^*	H31^*	V31^*	V31*		X31*	K31*	
205	R32^*	U32^*					C32^*		B32^*	H32^*	V32^*	V32*		X32*	K32*	
200																
187														X17^*	K17^*	
160	R16^*	U16^*					C16^*			H16^*	V16^*			X16^*	K16^*	F16*
150	R7^*	U7^*												X7*	K7*	F7*
145	R6^*	U6^*	C6^					X6^				K6^	F6^	X6*	K6*	F6*
139		CR13^	M13^	C13^			SF13^	V13^					F13^			F13*
136								X9^				K9^		X9*	K9*	
135	R5^*	U5^*												X5*	K5*	
133								V8^	SF8^				F8^	X8*	K8*	F8*
130	R4^*	U4^*						V4^	SF4^				F4^	X4*	K4*	F4*
125	R3^*	U3^*								H3^*				X3^*	K3^*	F3*
123																
120																
115	R2^*	U2^*			C2^			V2^	SF2^				F2^	X2^*	K2^*	F2*
105																
102	R1^*	U1^*											F1^	X1^*	K1^*	F1*
97																
93																
86	R18^*	U18^*					C18^				V18^		F18^	X18^*	K18^*	F18*
76	R0^*	U0^*												X0*	K0*	F0*
I_r (A) Rated Current	15	10	9	8.5	8	6	5	4	3	2.5	2	1	4	3	2	1
U_r (VDC)^ Rated Voltage	60															
U_r (VAC)* Rated Voltage	250	250					250		250		250	125		250		

Product Structure

Axial Shape

Radial Shape

SETsafe | SETfuse

Q Series

Direct Current Thermal-Link Alloy Type (DC-ATCO) Features & Model List Overview

Rated Functioning Temp. (T_f) °C / **Model**

T_f (°C)												ADN230B-NDZ^	ADN230B-PDZ^		ADN230B-QBZ^
230	○	○	○	○	○	○	○	○	○	○	○	ADN230B-NDZ^	ADN230B-PDZ^	○	ADN230B-QBZ^
221	XG31*	KG31*	○	C31*	○	B31*	○	H31*	○	○	○	○	○	ADN205B-NDZ^	○
205	XG32*	KG32*	○	C33*	○	B32*	○	H32*	○	○	○	○	○	○	○
200	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
187	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
160	XG16*	KG16*	○	○	○	B16*	○	○	○	○	○	○	○	○	○
150	XG7*	KG7*	C7^	C7*	○	B7^*	○	H7^*	○	V7^*	○	○	○	○	○
145	XG6*	KG6*	C6^	C6*	○	B6^*	○	H6^*	○	V6^*	○	○	○	○	○
139	○	○	C13^	C13*	○	B13^*	○	H13^*	○	V13^*	○	○	○	○	○
136	XG9*	KG9*	C9^	C9*	○	B9^*	○	H9^*	○	V9^*	○	○	○	○	○
135	XG5*	KG5*	C5^	C5*	○	B5^*	○	H5^*	○	V5^*	○	○	○	○	○
133	XG8*	KG8*	C8^	C8*	○	B8^*	○	H8^*	○	V8^*	○	○	○	○	○
130	XG4*	KG4*	C4^	C4*	○	B4^*	○	H4^*	○	V4^*	○	○	○	○	○
125	XG3^*	KG3^*	C3^	C3*	○	B3^*	○	○	○	V3^*	○	○	○	○	○
123	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
120	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
115	XG2^*	KG2^*	C2^	C2*	○	B2^*	○	H2^*	○	V2^*	○	○	○	○	○
105	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
102	XG1^*	KG1^*	○	C1^*	C1*	B1^*	B1*	H1^*	H1*	V1^*	V1*	○	○	○	○
97	○	○	○	C21^*	○	B21^*	○	H21^*	○	V21^*	○	○	○	○	○
93	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
86	XG18^*	KG18^*	○	C18^*	C18*	B18^*	B18*	H18^*	H18*	V18^*	V18*	○	○	○	○
76	XG0*	KG0*	○	C0*	○	B0^*	B0*	H0^*	H0*	V0^*	V0*	○	○	○	○
I_r (A) Rated Current	3	2	7	5	5	3	3	2	2	1	1	50	55	50	80
U_r (VDC)^ Rated Voltage	60	60	50	50	50	50	50	50	50	50	50	49	48	48	24
U_r (VAC)* Rated Voltage	250	250	○	250	125	250	125	250	125	250	125	○	○	○	○

Product Structure

Radial Shape   Axial Shape

SETsafe | SETfuse

Q Series