■ Sheathed Thermocouples

Specifications

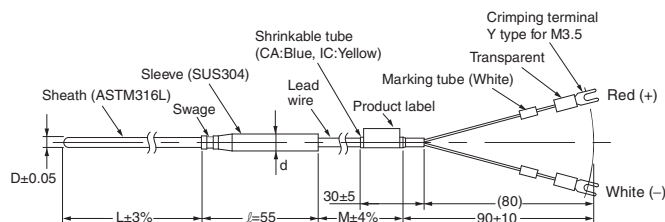| Element type	K (CA), J(IC)
Class	JIS class 2 (0.75)
Thermal contact	Non-grounded type
Sheath material	CA: ASTM316L
	IC: ASTM316L

Permissible Temperature in Dry Air

D	Element wire	
	K (CA) ASTM316L	J (IC) ASTM316L
1 dia.	650°C	450°C
1.6 dia.	650°C	450°C
3.2 dia.	750°C	650°C
4.8 dia.	800°C	750°C
6.4 dia.	800°C	750°C
8.0 dia.	900°C	750°C

Note: For details on the permissible temperature, refer to page D-5 of Introduction of Temperature Controllers (Cat. No. H900).

Exposed-lead Models

E52-CA☐AY

Dimensions

Crimping terminal Y type for M3.5
Shrinkable tube (CA:Blue, IC:Yellow)
Transparent
Sleeve (SUS304)
Marking tube (White)
Lead wire
Sheath (ASTM316L)
Swage
Product label
Red (+)
D±0.05
d
White (−)
30±5
(80)
L±3%
ℓ=55
M±4%
90±10

Unit (mm)

D	d	l
1 dia.	8	55
1.6 dia.	8	55
3.2 dia.	8	55
4.8 dia.	8	55
6.4 dia.	11	55
8 dia.	11	55

Permissible Temperature in Dry Air

D	Element wire
	K (CA) ASTM316L
1 dia.	650°C
1.6 dia.	650°C
3.2 dia.	750°C
4.8 dia.	800°C
6.4 dia.	800°C
8.0 dia.	900°C

Note: 1. Lead Wire (Compensating Conductor)
- Standard (−20°C to 70°C):
Fully vinyl-covered with seven 0.3-dia. conductors (0.5 mm thick) and external dimensions of 2.4 × 4.1.
- Heat Resistive (0°C to 150°C):
Fully glass-wool-covered with seven 0.3-dia. conductors (0.5 mm thick) with external shield of stainless steel and external dimensions of 2.8 × 4.6
The heat-resistive lead wires cannot be used in locations exposed to water or other liquids.
- Lead Wire Length (M): 1, 2, 4, or 8 m

2. The sleeve resists temperatures ranging between −20°C and 70°C for standard models and 0°C and 100°C for heat-resistive models.

K (CA) Model Information (E52-CA□AY)

Model Information

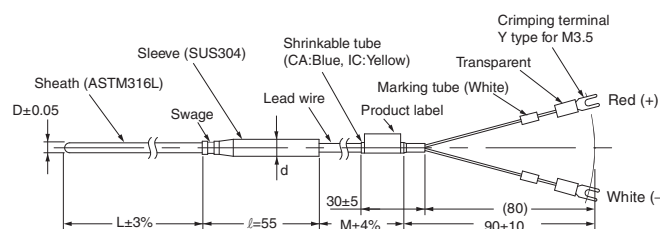| Terminal type	Protective tubing diameter D (mm)	Protective tubing length L (cm)	Lead wire type	Lead wire length M (m)			
				1	2	4	8
				Model			
Exposed-lead Models	1 dia.	5	Standard	E52-CA5AY D=1 1M	E52-CA5AY D=1 2M	E52-CA5AY D=1 4M	E52-CA5AY D=1 8M
			Heat resistive	E52-CA5AY D=1 NETU 1M	E52-CA5AY D=1 NETU 2M	E52-CA5AY D=1 NETU 4M	E52-CA5AY D=1 NETU 8M
		10	Standard	E52-CA10AY D=1 1M	E52-CA10AY D=1 2M	E52-CA10AY D=1 4M	E52-CA10AY D=1 8M
			Heat resistive	E52-CA10AY D=1 NETU 1M	E52-CA10AY D=1 NETU 2M	E52-CA10AY D=1 NETU 4M	E52-CA10AY D=1 NETU 8M
		15	Standard	E52-CA15AY D=1 1M	E52-CA15AY D=1 2M	E52-CA15AY D=1 4M	E52-CA15AY D=1 8M
			Heat resistive	E52-CA15AY D=1 NETU 1M	E52-CA15AY D=1 NETU 2M	E52-CA15AY D=1 NETU 4M	E52-CA15AY D=1 NETU 8M
		20	Standard	E52-CA20AY D=1 1M	E52-CA20AY D=1 2M	E52-CA20AY D=1 4M	E52-CA20AY D=1 8M
			Heat resistive	E52-CA20AY D=1 NETU 1M	E52-CA20AY D=1 NETU 2M	E52-CA20AY D=1 NETU 4M	E52-CA20AY D=1 NETU 8M
		25	Standard	E52-CA25AY D=1 1M	E52-CA25AY D=1 2M	E52-CA25AY D=1 4M	E52-CA25AY D=1 8M
			Heat resistive	E52-CA25AY D=1 NETU 1M	E52-CA25AY D=1 NETU 2M	E52-CA25AY D=1 NETU 4M	E52-CA25AY D=1 NETU 8M
		35	Standard	E52-CA35AY D=1 1M	E52-CA35AY D=1 2M	E52-CA35AY D=1 4M	E52-CA35AY D=1 8M
			Heat resistive	E52-CA35AY D=1 NETU 1M	E52-CA35AY D=1 NETU 2M	E52-CA35AY D=1 NETU 4M	E52-CA35AY D=1 NETU 8M
	1.6 dia.	5	Standard	E52-CA5AY D=1.6 1M	E52-CA5AY D=1.6 2M	E52-CA5AY D=1.6 4M	E52-CA5AY D=1.6 8M
			Heat resistive	E52-CA5AY D=1.6 NETU 1M	E52-CA5AY D=1.6 NETU 2M	E52-CA5AY D=1.6 NETU 4M	E52-CA5AY D=1.6 NETU 8M
		10	Standard	E52-CA10AY D=1.6 1M	E52-CA10AY D=1.6 2M	E52-CA10AY D=1.6 4M	E52-CA10AY D=1.6 8M
			Heat resistive	E52-CA10AY D=1.6 NETU 1M	E52-CA10AY D=1.6 NETU 2M	E52-CA10AY D=1.6 NETU 4M	E52-CA10AY D=1.6 NETU 8M
		15	Standard	E52-CA15AY D=1.6 1M	E52-CA15AY D=1.6 2M	E52-CA15AY D=1.6 4M	E52-CA15AY D=1.6 8M
			Heat resistive	E52-CA15AY D=1.6 NETU 1M	E52-CA15AY D=1.6 NETU 2M	E52-CA15AY D=1.6 NETU 4M	E52-CA15AY D=1.6 NETU 8M
		20	Standard	E52-CA20AY D=1.6 1M	E52-CA20AY D=1.6 2M	E52-CA20AY D=1.6 4M	E52-CA20AY D=1.6 8M
			Heat resistive	E52-CA20AY D=1.6 NETU 1M	E52-CA20AY D=1.6 NETU 2M	E52-CA20AY D=1.6 NETU 4M	E52-CA20AY D=1.6 NETU 8M
		25	Standard	E52-CA25AY D=1.6 1M	E52-CA25AY D=1.6 2M	E52-CA25AY D=1.6 4M	E52-CA25AY D=1.6 8M
			Heat resistive	E52-CA25AY D=1.6 NETU 1M	E52-CA25AY D=1.6 NETU 2M	E52-CA25AY D=1.6 NETU 4M	E52-CA25AY D=1.6 NETU 8M
		35	Standard	E52-CA35AY D=1.6 1M	E52-CA35AY D=1.6 2M	E52-CA35AY D=1.6 4M	E52-CA35AY D=1.6 8M
			Heat resistive	E52-CA35AY D=1.6 NETU 1M	E52-CA35AY D=1.6 NETU 2M	E52-CA35AY D=1.6 NETU 4M	E52-CA35AY D=1.6 NETU 8M
		50	Standard	E52-CA50AY D=1.6 1M	E52-CA50AY D=1.6 2M	E52-CA50AY D=1.6 4M	E52-CA50AY D=1.6 8M
			Heat resistive	E52-CA50AY D=1.6 NETU 1M	E52-CA50AY D=1.6 NETU 2M	E52-CA50AY D=1.6 NETU 4M	E52-CA50AY D=1.6 NETU 8M
		100	Standard	E52-CA100AY D=1.6 1M	E52-CA100AY D=1.6 2M	E52-CA100AY D=1.6 4M	E52-CA100AY D=1.6 8M
			Heat resistive	E52-CA100AY D=1.6 NETU 1M	E52-CA100AY D=1.6 NETU 2M	E52-CA100AY D=1.6 NETU 4M	E52-CA100AY D=1.6 NETU 8M
	3.2 dia.	5	Standard	E52-CA5AY D=3.2 1M	E52-CA5AY D=3.2 2M	E52-CA5AY D=3.2 4M	E52-CA5AY D=3.2 8M
			Heat resistive	E52-CA5AY D=3.2 NETU 1M	E52-CA5AY D=3.2 NETU 2M	E52-CA5AY D=3.2 NETU 4M	E52-CA5AY D=3.2 NETU 8M
		10	Standard	E52-CA10AY D=3.2 1M	E52-CA10AY D=3.2 2M	E52-CA10AY D=3.2 4M	E52-CA10AY D=3.2 8M
			Heat resistive	E52-CA10AY D=3.2 NETU 1M	E52-CA10AY D=3.2 NETU 2M	E52-CA10AY D=3.2 NETU 4M	E52-CA10AY D=3.2 NETU 8M
		15	Standard	E52-CA15AY D=3.2 1M	E52-CA15AY D=3.2 2M	E52-CA15AY D=3.2 4M	E52-CA15AY D=3.2 8M
			Heat resistive	E52-CA15AY D=3.2 NETU 1M	E52-CA15AY D=3.2 NETU 2M	E52-CA15AY D=3.2 NETU 4M	E52-CA15AY D=3.2 NETU 8M
		20	Standard	E52-CA20AY D=3.2 1M	E52-CA20AY D=3.2 2M	E52-CA20AY D=3.2 4M	E52-CA20AY D=3.2 8M
			Heat resistive	E52-CA20AY D=3.2 NETU 1M	E52-CA20AY D=3.2 NETU 2M	E52-CA20AY D=3.2 NETU 4M	E52-CA20AY D=3.2 NETU 8M
		25	Standard	E52-CA25AY D=3.2 1M	E52-CA25AY D=3.2 2M	E52-CA25AY D=3.2 4M	E52-CA25AY D=3.2 8M
			Heat resistive	E52-CA25AY D=3.2 NETU 1M	E52-CA25AY D=3.2 NETU 2M	E52-CA25AY D=3.2 NETU 4M	E52-CA25AY D=3.2 NETU 8M

Terminal type	Protective tubing diameter D (mm)	Protective tubing length L (cm)	Lead wire type	Lead wire length M (m)			
				1	2	4	8
				Model			
Exposed-lead Models	3.2 dia.	35	Standard	E52-CA35AY D=3.2 1M	E52-CA35AY D=3.2 2M	E52-CA35AY D=3.2 4M	E52-CA35AY D=3.2 8M
			Heat resistive	E52-CA35AY D=3.2 NETU 1M	E52-CA35AY D=3.2 NETU 2M	E52-CA35AY D=3.2 NETU 4M	E52-CA35AY D=3.2 NETU 8M
		50	Standard	E52-CA50AY D=3.2 1M	E52-CA50AY D=3.2 2M	E52-CA50AY D=3.2 4M	E52-CA50AY D=3.2 8M
			Heat resistive	E52-CA50AY D=3.2 NETU 1M	E52-CA50AY D=3.2 NETU 2M	E52-CA50AY D=3.2 NETU 4M	E52-CA50AY D=3.2 NETU 8M
		100	Standard	E52-CA100AY D=3.2 1M	E52-CA100AY D=3.2 2M	E52-CA100AY D=3.2 4M	E52-CA100AY D=3.2 8M
			Heat resistive	E52-CA100AY D=3.2 NETU 1M	E52-CA100AY D=3.2 NETU 2M	E52-CA100AY D=3.2 NETU 4M	E52-CA100AY D=3.2 NETU 8M
	4.8 dia.	10	Standard	E52-CA10AY D=4.8 1M	E52-CA10AY D=4.8 2M	E52-CA10AY D=4.8 4M	E52-CA10AY D=4.8 8M
			Heat resistive	E52-CA10AY D=4.8 NETU 1M	E52-CA10AY D=4.8 NETU 2M	E52-CA10AY D=4.8 NETU 4M	E52-CA10AY D=4.8 NETU 8M
		15	Standard	E52-CA15AY D=4.8 1M	E52-CA15AY D=4.8 2M	E52-CA15AY D=4.8 4M	E52-CA15AY D=4.8 8M
			Heat resistive	E52-CA15AY D=4.8 NETU 1M	E52-CA15AY D=4.8 NETU 2M	E52-CA15AY D=4.8 NETU 4M	E52-CA15AY D=4.8 NETU 8M
		20	Standard	E52-CA20AY D=4.8 1M	E52-CA20AY D=4.8 2M	E52-CA20AY D=4.8 4M	E52-CA20AY D=4.8 8M
			Heat resistive	E52-CA20AY D=4.8 NETU 1M	E52-CA20AY D=4.8 NETU 2M	E52-CA20AY D=4.8 NETU 4M	E52-CA20AY D=4.8 NETU 8M
		35	Standard	E52-CA35AY D=4.8 1M	E52-CA35AY D=4.8 2M	E52-CA35AY D=4.8 4M	E52-CA35AY D=4.8 8M
			Heat resistive	E52-CA35AY D=4.8 NETU 1M	E52-CA35AY D=4.8 NETU 2M	E52-CA35AY D=4.8 NETU 4M	E52-CA35AY D=4.8 NETU 8M
		50	Standard	E52-CA50AY D=4.8 1M	E52-CA50AY D=4.8 2M	E52-CA50AY D=4.8 4M	E52-CA50AY D=4.8 8M
			Heat resistive	E52-CA50AY D=4.8 NETU 1M	E52-CA50AY D=4.8 NETU 2M	E52-CA50AY D=4.8 NETU 4M	E52-CA50AY D=4.8 NETU 8M
		100	Standard	E52-CA100AY D=4.8 1M	E52-CA100AY D=4.8 2M	E52-CA100AY D=4.8 4M	E52-CA100AY D=4.8 8M
			Heat resistive	E52-CA100AY D=4.8 NETU 1M	E52-CA100AY D=4.8 NETU 2M	E52-CA100AY D=4.8 NETU 4M	E52-CA100AY D=4.8 NETU 8M
	6.4 dia.	10	Standard	E52-CA10AY D=6.4 1M	E52-CA10AY D=6.4 2M	E52-CA10AY D=6.4 4M	E52-CA10AY D=6.4 8M
			Heat resistive	E52-CA10AY D=6.4 NETU 1M	E52-CA10AY D=6.4 NETU 2M	E52-CA10AY D=6.4 NETU 4M	E52-CA10AY D=6.4 NETU 8M
		15	Standard	E52-CA15AY D=6.4 1M	E52-CA15AY D=6.4 2M	E52-CA15AY D=6.4 4M	E52-CA15AY D=6.4 8M
			Heat resistive	E52-CA15AY D=6.4 NETU 1M	E52-CA15AY D=6.4 NETU 2M	E52-CA15AY D=6.4 NETU 4M	E52-CA15AY D=6.4 NETU 8M
		20	Standard	E52-CA20AY D=6.4 1M	E52-CA20AY D=6.4 2M	E52-CA20AY D=6.4 4M	E52-CA20AY D=6.4 8M
			Heat resistive	E52-CA20AY D=6.4 NETU 1M	E52-CA20AY D=6.4 NETU 2M	E52-CA20AY D=6.4 NETU 4M	E52-CA20AY D=6.4 NETU 8M
		35	Standard	E52-CA35AY D=6.4 1M	E52-CA35AY D=6.4 2M	E52-CA35AY D=6.4 4M	E52-CA35AY D=6.4 8M
			Heat resistive	E52-CA35AY D=6.4 NETU 1M	E52-CA35AY D=6.4 NETU 2M	E52-CA35AY D=6.4 NETU 4M	E52-CA35AY D=6.4 NETU 8M
		50	Standard	E52-CA50AY D=6.4 1M	E52-CA50AY D=6.4 2M	E52-CA50AY D=6.4 4M	E52-CA50AY D=6.4 8M
			Heat resistive	E52-CA50AY D=6.4 NETU 1M	E52-CA50AY D=6.4 NETU 2M	E52-CA50AY D=6.4 NETU 4M	E52-CA50AY D=6.4 NETU 8M
		100	Standard	E52-CA100AY D=6.4 1M	E52-CA100AY D=6.4 2M	E52-CA100AY D=6.4 4M	E52-CA100AY D=6.4 8M
			Heat resistive	E52-CA100AY D=6.4 NETU 1M	E52-CA100AY D=6.4 NETU 2M	E52-CA100AY D=6.4 NETU 4M	E52-CA100AY D=6.4 NETU 8M
	8 dia.	20	Standard	E52-CA20AY D=8 1M	E52-CA20AY D=8 2M	E52-CA20AY D=8 4M	E52-CA20AY D=8 8M
			Heat resistive	E52-CA20AY D=8 NETU 1M	E52-CA20AY D=8 NETU 2M	E52-CA20AY D=8 NETU 4M	E52-CA20AY D=8 NETU 8M
		35	Standard	E52-CA35AY D=8 1M	E52-CA35AY D=8 2M	E52-CA35AY D=8 4M	E52-CA35AY D=8 8M
			Heat resistive	E52-CA35AY D=8 NETU 1M	E52-CA35AY D=8 NETU 2M	E52-CA35AY D=8 NETU 4M	E52-CA35AY D=8 NETU 8M
		50	Standard	E52-CA50AY D=8 1M	E52-CA50AY D=8 2M	E52-CA50AY D=8 4M	E52-CA50AY D=8 8M
			Heat resistive	E52-CA50AY D=8 NETU 1M	E52-CA50AY D=8 NETU 2M	E52-CA50AY D=8 NETU 4M	E52-CA50AY D=8 NETU 8M
		100	Standard	E52-CA100AY D=8 1M	E52-CA100AY D=8 2M	E52-CA100AY D=8 4M	E52-CA100AY D=8 8M
			Heat resistive	E52-CA100AY D=8 NETU 1M	E52-CA100AY D=8 NETU 2M	E52-CA100AY D=8 NETU 4M	E52-CA100AY D=8 NETU 8M

Exposed-lead Models

E52-IC☐AY

Dimensions

Note: 1. Lead Wire (Compensating Conductor)
- Standard (−20°C to 70°C):
  Fully vinyl-covered with seven 0.3-dia. conductors (0.5 mm thick) and external dimensions of 2.4 × 4.1.
- Heat Resistive (0°C to 150°C):
  Fully glass-wool-covered with seven 0.3-dia. conductors (0.5 mm thick) with external shield of stainless steel and external dimensions of 2.8 × 4.6
  The heat-resistive lead wires cannot be used in locations exposed to water or other liquids.
- Lead Wire Length (M): 1, 2, 4, or 8 m
2. The sleeve resists temperatures ranging between −20°C and 70°C for standard models and 0°C and 100°C for heat-resistive models.

Unit (mm)

D	d	l
1 dia.	8	55
1.6 dia.	8	55
3.2 dia.	8	55
4.8 dia.	8	55
6.4 dia.	11	55
8 dia.	11	55

Permissible Temperature in Dry Air

D	Element wire
	J (IC) ASTM316L
1 dia.	450°C
1.6 dia.	450°C
3.2 dia.	650°C
4.8 dia.	750°C
6.4 dia.	750°C
8.0 dia.	750°C

J (IC) Model Information (E52-IC☐AY)

Model Information

Terminal type	Protective tubing diameter D (mm)	Protective tubing length L (cm)	Lead wire type	Lead wire length M (m)		
				1	2	4
				Model		
Exposed-lead Models	1 dia.	15	Standard	E52-IC15AY D=1 1M	E52-IC15AY D=1 2M	E52-IC15AY D=1 4M
			Heat resistive	E52-IC15AY D=1 NETU 1M	E52-IC15AY D=1 NETU 2M	E52-IC15AY D=1 NETU 4M
		20	Standard	E52-IC20AY D=1 1M	E52-IC20AY D=1 2M	E52-IC20AY D=1 4M
			Heat resistive	E52-IC20AY D=1 NETU 1M	E52-IC20AY D=1 NETU 2M	E52-IC20AY D=1 NETU 4M
		35	Standard	E52-IC35AY D=1 1M	E52-IC35AY D=1 2M	E52-IC35AY D=1 4M
			Heat resistive	E52-IC35AY D=1 NETU 1M	E52-IC35AY D=1 NETU 2M	E52-IC35AY D=1 NETU 4M
	1.6 dia.	15	Standard	E52-IC15AY D=1.6 1M	E52-IC15AY D=1.6 2M	E52-IC15AY D=1.6 4M
			Heat resistive	E52-IC15AY D=1.6 NETU 1M	E52-IC15AY D=1.6 NETU 2M	E52-IC15AY D=1.6 NETU 4M
		20	Standard	E52-IC20AY D=1.6 1M	E52-IC20AY D=1.6 2M	E52-IC20AY D=1.6 4M
			Heat resistive	E52-IC20AY D=1.6 NETU 1M	E52-IC20AY D=1.6 NETU 2M	E52-IC20AY D=1.6 NETU 4M
		35	Standard	E52-IC35AY D=1.6 1M	E52-IC35AY D=1.6 2M	E52-IC35AY D=1.6 4M
			Heat resistive	E52-IC35AY D=1.6 NETU 1M	E52-IC35AY D=1.6 NETU 2M	E52-IC35AY D=1.6 NETU 4M

Terminal type	Protective tubing diameter D (mm)	Protective tubing length L (cm)	Lead wire type	Lead wire length M (m)		
				1	2	4
				Model		
Exposed-lead Models	3.2 dia.	15	Standard	E52-IC15AY D=3.2 1M	E52-IC15AY D=3.2 2M	E52-IC15AY D=3.2 4M
			Heat resistive	E52-IC15AY D=3.2 NETU 1M	E52-IC15AY D=3.2 NETU 2M	E52-IC15AY D=3.2 NETU 4M
		20	Standard	E52-IC20AY D=3.2 1M	E52-IC20AY D=3.2 2M	E52-IC20AY D=3.2 4M
			Heat resistive	E52-IC20AY D=3.2 NETU 1M	E52-IC20AY D=3.2 NETU 2M	E52-IC20AY D=3.2 NETU 4M
		35	Standard	E52-IC35AY D=3.2 1M	E52-IC35AY D=3.2 2M	E52-IC35AY D=3.2 4M
			Heat resistive	E52-IC35AY D=3.2 NETU 1M	E52-IC35AY D=3.2 NETU 2M	E52-IC35AY D=3.2 NETU 4M
		50	Standard	E52-IC50AY D=3.2 1M	E52-IC50AY D=3.2 2M	E52-IC50AY D=3.2 4M
			Heat resistive	E52-IC50AY D=3.2 NETU 1M	E52-IC50AY D=3.2 NETU 2M	E52-IC50AY D=3.2 NETU 4M
	4.8 dia.	20	Standard	E52-IC20AY D=4.8 1M	E52-IC20AY D=4.8 2M	E52-IC20AY D=4.8 4M
			Heat resistive	E52-IC20AY D=4.8 NETU 1M	E52-IC20AY D=4.8 NETU 2M	E52-IC20AY D=4.8 NETU 4M
		35	Standard	E52-IC35AY D=4.8 1M	E52-IC35AY D=4.8 2M	E52-IC35AY D=4.8 4M
			Heat resistive	E52-IC35AY D=4.8 NETU 1M	E52-IC35AY D=4.8 NETU 2M	E52-IC35AY D=4.8 NETU 4M
		50	Standard	E52-IC50AY D=4.8 1M	E52-IC50AY D=4.8 2M	E52-IC50AY D=4.8 4M
			Heat resistive	E52-IC50AY D=4.8 NETU 1M	E52-IC50AY D=4.8 NETU 2M	E52-IC50AY D=4.8 NETU 4M
	6.4 dia.	20	Standard	E52-IC20AY D=6.4 1M	E52-IC20AY D=6.4 2M	E52-IC20AY D=6.4 4M
			Heat resistive	E52-IC20AY D=6.4 NETU 1M	E52-IC20AY D=6.4 NETU 2M	E52-IC20AY D=6.4 NETU 4M
		35	Standard	E52-IC35AY D=6.4 1M	E52-IC35AY D=6.4 2M	E52-IC35AY D=6.4 4M
			Heat resistive	E52-IC35AY D=6.4 NETU 1M	E52-IC35AY D=6.4 NETU 2M	E52-IC35AY D=6.4 NETU 4M
		50	Standard	E52-IC50AY D=6.4 1M	E52-IC50AY D=6.4 2M	E52-IC50AY D=6.4 4M
			Heat resistive	E52-IC50AY D=6.4 NETU 1M	E52-IC50AY D=6.4 NETU 2M	E52-IC50AY D=6.4 NETU 4M
	8 dia.	20	Standard	E52-IC20AY D=8 1M	E52-IC20AY D=8 2M	E52-IC20AY D=8 4M
			Heat resistive	E52-IC20AY D=8 NETU 1M	E52-IC20AY D=8 NETU 2M	E52-IC20AY D=8 NETU 4M
		35	Standard	E52-IC35AY D=8 1M	E52-IC35AY D=8 2M	E52-IC35AY D=8 4M
			Heat resistive	E52-IC35AY D=8 NETU 1M	E52-IC35AY D=8 NETU 2M	E52-IC35AY D=8 NETU 4M
		50	Standard	E52-IC50AY D=8 1M	E52-IC50AY D=8 2M	E52-IC50AY D=8 4M
			Heat resistive	E52-IC50AY D=8 NETU 1M	E52-IC50AY D=8 NETU 2M	E52-IC50AY D=8 NETU 4M