

# VDE Prüf- und Zertifizierungsinstitut

## ZEICHENGENEHMIGUNG MARKS APPROVAL

Hollyland Company Limited  
Unit B, 31/F Billion Centre, Tower A  
1 Wang Kwong Road  
KOWLOON BAY  
Kowloon  
HONG KONG

ist berechtigt, für ihr Produkt /  
is authorized to use for their product

Niederspannungssicherungen, Sicherungseinsatz zum Schutz von Halbleiter-  
Bauelementen

Low-voltage fuses, fuse-links for the protection of semiconductor  
devices  
HC10aR

die hier abgebildeten markenrechtlich geschützten Zeichen  
für die ab Blatt 2 aufgeführten Typen zu benutzen /  
the legally protected Marks as shown below for the types referred to on page 2 ff.



Geprüft und zertifiziert nach /  
Tested and certified according to

DIN EN 60269-1 (VDE 0636-1):2008-03; EN 60269-1:2007  
DIN EN 60269-4 (VDE 0636-4):2008-03; EN 60269-4:2007



VDE Prüf- und Zertifizierungsinstitut GmbH  
VDE Testing and Certification Institute  
Zertifizierungsstelle / Certification

*[Signature]*

Aktenzeichen: 1913000-1150-0001 / 110965

File ref..

Ausweis-Nr. 40027939

Blatt 1

Certificate No.

Page

Weitere Bedingungen siehe Rückseite und Folgeblätter /  
further conditions see overleaf and following pages

Offenbach, 2009-07-23

(letzte Änderung/updated 2010-12-01)

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# VDE



# VDE Prüf- und Zertifizierungsinstitut Zeichengenehmigung

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Name und Sitz des Genehmigungsinhabers / *Name and registered seat of the Certificate holder*  
Hollyland Company Limited, Unit B, 31/F Billion Centre, Tower A, 1 Wang Kwong Road, KOWLOON  
BAY, Kowloon, HONGKONG

Aktenzeichen / *File ref.*  
1913000-1150-0001 / 110965 / FG32 / HAM

letzte Änderung / *updated* Datum / *Date*  
2010-12-01 2009-07-23

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40027939.  
*This supplement is only valid in conjunction with page 1 of the Certificate No. 40027939.*

## Niederspannungssicherungen, Sicherungseinsatz zum Schutz von Halbleiter- Bauelementen *Low-voltage fuses, fuse-links for the protection of semiconductor devices* HC10aR

Typ(en) / *Type(s)*:

### HC10aR

Bemessungsspannung  
*Rated voltage*

500 V a.c.  
690 V a.c.  
1000 V a.c.

Bemessungsstrom  
*Rated current*

250 mA; 315 mA; 400 mA; 500 mA; 630 mA; 800 mA;  
1 A; 1,25 A; 1,6 A; 2 A; 2,5 A; 3 A; 3,15 A; 4 A; 5 A; 6 A;  
6,3 A; 7 A; 8 A; 9 A; 10 A; 12 A; 12,5 A; 15 A; 16 A; 20 A;  
25 A; 30 A; 32 A  
0,25 A - 10 A und/and 12 A - 32 A (500 V a.c.; 690 V a.c.)  
0,25 A - 10 A (1000 V a.c.)

Bemessungsfrequenz  
*Rated frequency*

45 bis/to 62 Hz

Bemessungsausschaltvermögen  
*Rated breaking capacity*

120 kA (500 V a.c.)  
80 kA (690 V a.c.)  
50 kA (1000 V a.c.)

Baugröße  
*Size*

10 x 38

Fortsetzung siehe Blatt 3 /  
*continued on page 3*

VDE Prüf- und Zertifizierungsinstitut GmbH \* Testing and Certification Institute

**VDE Prüf- und Zertifizierungsinstitut**  
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Hollyland Company Limited, Unit B, 31/F Billion Centre, Tower A, 1 Wang Kwong Road, KOWLOON  
BAY, Kowloon, HONGKONG

Aktenzeichen / *File ref.*

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Betriebsklasse  
*Utilization category*

aR

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VDE Prüf- und Zertifizierungsinstitut GmbH  
*VDE Testing and Certification Institute*  
Fachgebiet FG32  
*Section FG32*

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Dieses Beiblatt ist Bestandteil des Zeichengenehmigungsausweises Nr. 40027939.  
*This supplement is part of the Certificate No. 40027939.*

**Niederspannungssicherungen, Sicherungseinsatz zum Schutz von  
Halbleiter-  
Baulementen**  
***Low-voltage fuses, fuse-links for the protection of semiconductor  
devices***  
**HC10aR**

**Fertigungsstätte(n)**  
***Place(s) of manufacture***

Referenz/*Reference*      Hollyland (China) Electronics  
**30006852**                      Technology Corporation Ltd.  
   9 ~ 19 Fanghu Road  
   Huli District  
   361009 XIAMEN CITY  
   Fujian  
   CHINA

VDE Prüf- und Zertifizierungsinstitut GmbH  
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*Section FG32*



## JDYX2.E156471 Fuses, Supplemental - Component

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### Fuses, Supplemental - Component

[See General Information for Fuses, Supplemental - Component](#)

**HOLLYLAND CO LTD**  
UNIT B, 31ST FL  
BILLION CENTRE, TOWER A  
1 WANG KWONG RD  
KOWLOON BAY, KOWLOON HONG KONG

E156471

#### Supplemental fuses

Cat. No.	Size mm(in)	Amps (A)	Volts (V)	Interrupting Rating (A)
41NM	-	0.3 - 5	300Vac	50
		0.3 - 5	125Vac	500
		2.5 - 5	250Vac	100
		0.3 - 2.25	250Vac	50
		15	300Vac	100
41S	4.5 x 15 (0.18 x 0.59)	4 - 10	125Vac	100
		4 - 10	250Vac	100
50CF	5.2 x 20 x 2.2 (0.20 x 0.79 x 0.09)	0.25 - 16	250Vac	1500
		0.25 - 16	250Vdc	1000
50CT	5.2 x 20 (0.20 x 0.79)	0.2 - 15	250Vac	200
50F	5.2 x 20 (0.20 x 0.79)	0.2 - 0.8	250Vac	35
		0.2 - 0.8	250Vac	10x Ampere rating
		1.0 - 6.3	250Vac	35
		1.0 - 6.3	250Vac	10x Ampere rating
		8 - 16	250Vac	35
		8 - 16	250Vac	10x Ampere rating
50T	5.2 x 20 (0.20 x 0.79)	0.125 - 0.4	250Vac	35
		0.125 - 0.4	250Vac	10x Ampere rating
		0.5 - 6.3	250Vac	35
		0.5 - 6.3	250Vac	10x Ampere rating
		8 - 15	250Vac	63
51MS	-	2 - 8	250Vac	100
51NM	-	3 - 8	250Vac	100
51S	-	6 - 8	125Vac	200
		3 - 8	250Vac	100
65NM	6.35 x 31.8 (0.25 x 1.25)	20 - 30	125Vac	100
		20 - 30	250Vac	100

		20 - 30	125Vdc	400
<b>65TS</b>	-	20 - 25	125Vac	400
		20 - 25	250Vac	100
<b>6FF</b>	6.35 x 31.8 (0.25 x 1.25)	0.2 - 2	1000Vac	10000
		0.2 - 2	1000Vdc	10000
<b>6FF-1</b>	6.35 x 31.8 (0.25 x 1.25)	0.2 - 2	500Vac	10000
		0.2 - 2	500Vdc	10000
<b>HC10aR</b>	10.3 x 38 (0.41 x 1.50)	0.25 - 3.15	500Vac	120000
		0.25 - 3.15	500Vdc	120000
		0.25 - 3.15	690Vac	80000
		0.25 - 3.15	690Vdc	50000
		0.25 - 3.15	1000Vdc	30000
		0.25 - 3.15	1000Vac	50000
		4.0 - 6.3	500Vac	120000
		4.0 - 6.3	500Vdc	120000
		4.0 - 6.3	690Vac	80000
		4.0 - 6.3	690Vdc	50000
		4.0 - 6.3	1000Vdc	30000
		4.0 - 6.3	1000Vac	50000
		7.0 - 32	500Vac	120000
		7.0 - 32	500Vdc	120000
		7.0 - 32	690Vac	80000
		7.0 - 32	690Vdc	50000
		7.0 - 32	1000Vdc	30000
		7.0 - 32	1000Vac	50000
<b>HC10aR-B</b>	10.3 x 38 (0.41 x 1.50)	10	500Vac	120000
		10	500Vdc	120000
		10	690Vac	80000
		10	690Vdc	50000
		10	1000Vac	50000

Supplemental fuses: pigtail leads

Cat. No.	Size mm(in)	Amps (A)	Volts (V)	Interrupting Rating (A)
<b>41NM(P)</b>	-	0.3 - 5	300Vac	50
		0.3 - 5	125Vac	500
		2.5 - 5	250Vac	100
		0.3 - 2.25	250Vac	50
		15	300Vac	100
<b>42S,41S(P)</b>	4.5 x 15 (0.18 x 0.59)	4 - 10	125Vac	100
		4 - 10	250Vac	100
<b>50CF(P)</b>	5.2 x 20 x 2.2 (0.20 x 0.79 x 0.09)	0.25 - 16	250Vac	1500
		0.25 - 16	250Vdc	1000

<b>50CT(P)</b>	5.2 x 20 (0.20 x 0.79)	0.2 - 0.63	250Vac	200
		0.8 - 1.0	250Vac	200
		1.25 - 15	250Vac	200
<b>50F(P)</b>	5.2 x 20 (0.20 x 0.79)	0.2 - 0.8	250Vac	35
		0.2 - 0.8	250Vac	10x Ampere rating
		1.0 - 6.3	250Vac	35
		1.0 - 6.3	250Vac	10x Ampere rating
		8 - 16	250Vac	35
		8 - 16	250Vac	10x Ampere rating
<b>51MS(P)</b>	-	2 - 8	250Vac	100
<b>51NM(P)</b>	-	3 - 8	250Vac	100
<b>51S(P)</b>	-	6 - 8	125Vac	200
		3 - 8	250Vac	100
<b>5GT</b>	5.0 x 20 (0.20 x 0.79)	0.8 - 3.5	250Vac	35
		4 - 6.3	250Vac	63
		7 - 10	250Vac	100
<b>65TS(P)</b>	-	20 - 30	125Vac	400
		20 - 30	250Vac	100
<b>6FF(P)</b>	6.85 x 32.4 (0.27 x 1.28)	0.2 - 2	1000Vac	10000
		0.2 - 2	1000Vdc	10000
<b>6FF(P)-1</b>	6.85 x 32.4 (0.27 x 1.28)	0.2 - 2	500Vac	10000
		0.2 - 2	500Vdc	10000

Supplemental fuses: pigtail leads, filled-tube

Cat. No.	Size mm(in)	Amps (A)	Volts (V)	Interrupting Rating (A)
<b>5CT</b>	5.2 x 20 (0.20 x 0.79)	1 - 2	250Vac	1500
		2.5 - 3.15	250Vac	1500
		3.5 - 6.3	250Vac	1500
		7.0 - 10	250Vac	1500
<b>65NM(P)</b>	6.35 x 31.8 (0.25 x 1.25)	20	125Vac	100
		20	250Vac	100
		20	125Vdc	400
		25	125Vac	100
		25	250Vac	100
		25	125Vdc	400
		30	125Vac	100
		30	250Vac	100
		30	125Vdc	400

Supplemental fuses: cartridge enclosed

Cat. No.	Size mm(in)	Amps (A)	Volts (V)	Interrupting Rating (A)

53S, 54S	-	6 - 8	125Vac	200
		3 - 8	250Vac	100

## Supplemental micro fuses

Cat. No.	Size mm(in)	Amps (A)	Volts (V)	Interrupting Rating (A)
06F	1.6 x 0.85 x 0.5 (0.06 x 0.03 x 0.02)	0.1 - 0.25	32Vac	50
		0.1 - 0.25	63Vdc	50
		0.3 - 1.0	32Vac	50
		0.3 - 1.0	32Vdc	50
		1.2 - 5.0	32Vdc	35
		1.2 - 5.0	32Vac	35
06T	1.6 x 0.85 x 0.5 (0.06 x 0.03 x 0.02)	0.1 - 0.25	32Vac	50
		0.1 - 0.25	63Vdc	50
		0.3 - 1.0	32Vac	50
		0.3 - 1.0	32Vdc	50
		1.2 - 5.0	32Vdc	35
		1.2 - 5.0	32Vac	35
12F	3.2 x 1.6 x 1.0 (0.13 x 0.06 x 0.04)	0.1 - 0.375	32Vac	50
		0.1 - 0.375	63Vdc	50
		0.4 - 3.0	63Vac	50
		0.4 - 3.0	63Vdc	50
		3.15 - 7	24Vac	35
		3.15 - 7	32Vdc	50
12T	3.2 x 1.6 x 1.0 (0.13 x 0.06 x 0.04)	0.1 - 0.375	63Vac	50
		0.1 - 0.375	63Vdc	50
		0.4 - 3.0	63Vac	50
		0.4 - 3.0	63Vdc	50
		3.15 - 7	24Vac	35
		3.15 - 7	32Vdc	50
20N	2.42 x 7.1 (0.10 x 0.28)	3.15 - 10	125Vac	30
		3.15 - 10	250Vac	30
		3.15 - 10	125Vdc	50
		0.1 - 0.315	250Vac	30
		0.1 - 0.315	125Vdc	50
		12 - 15	72Vac	30
		20	60Vdc	50
20T	2.42 x 7.1 (0.10 x 0.28)	0.1 - 7	125Vac	30
		0.1 - 7	250Vac	30
2N0100L	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	0.1	125Vac	50
2N010L	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	1	125Vac	50
2N0125L	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	0.125	125Vac	50



<b>2N013L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	1.25	125Vac	50
<b>2N015L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	1.5	125Vac	50
<b>2N0160L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	0.16	125Vac	50
<b>2N016L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	1.6	125Vac	50
<b>2N0200L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	0.2	125Vac	50
<b>2N020L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	2	125Vac	50
<b>2N0250L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	0.25	125Vac	50
<b>2N025L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	2.5	125Vac	50
<b>2N030L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	3	125Vac	50
<b>2N0315L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	0.315	125Vac	50
<b>2N032L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	3.15	125Vac	50
<b>2N035L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	3.5	125Vac	50
<b>2N0375L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	0.375	125Vac	50
<b>2N0400L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	0.4	125Vac	50
<b>2N040L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	4	125Vac	50
<b>2N0500L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	0.5	125Vac	50
<b>2N050L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	5	125Vac	50
<b>2N0630L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	0.63	125Vac	50
<b>2N063L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	6.3	125Vac	50
<b>2N070L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	7	125Vac	50
<b>2N0750L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	0.75	125Vac	50
<b>2N0800L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	0.8	125Vac	50
<b>2N080L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	8	125Vac	50
<b>2N100L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	10	125Vac	50
<b>2N120L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	12	65Vac	50
<b>2N150L</b>	5.7 x 2.2 x 2.2 (0.22 x 0.09 x 0.09)	15	65Vac	50
<b>5ET</b>	8.0 x 4.0 x 8.5 (0.31 x 0.16 x 0.33)	0.1 - 0.25	300Vac	50
		0.1 - 0.25	125Vdc	50
		0.315 - 5	125Vdc	50
		0.315 - 5	250Vac	63
		0.315 - 5	300Vac	50
		6.3	300Vac	50

		6.3	250Vac	63
		6.3	125Vdc	63
		0.315 - 10	250Vac	130
<b>5RT</b>	8.3 x 7.5 (0.33 x 0.30)	0.1 - 0.25	300Vac	50
		0.1 - 0.25	125Vdc	50
		0.315 - 5.0	300Vac	50
		0.315 - 5.0	250Vac	63
		0.315 - 5.0	125Vdc	50
		6.3	300Vac	50
		6.3	250Vac	63
		6.3	125Vdc	63

**Supplemental micro fuses: pigtail leads**

Cat. No.	Size mm(in)	Amps (A)	Volts (V)	Interrupting Rating (A)
<b>25S</b>	3.6 x 10.0 (0.14 x 0.39)	1 - 2	125Vac	50
		1 - 2	250Vac	50
<b>30TS</b>	4.0 x 9.0 (0.16 x 0.35)	0.2 - 1.6	350Vac	30
<b>5EF</b>	8.5 x 8.3 x 4 (0.33 x 0.33 x 0.16)	0.315 - 2.5	250Vac	35
		3.15	250Vac	35
		4	250Vac	40
		5	250Vac	50
		6.3	250Vac	63
<b>5RF</b>	8.3 x 7.8 x 2.2 (0.33 x 0.31 x 0.09)	0.315 - 2.5	250Vac	35
		3.15	250Vac	35
		4	250Vac	40
		5	250Vac	50
		6.3	250Vac	63

(P) - Pigtail leads.

Note - The following models are identical to each other except for the model numbers: 41NM(P) and 42NM; 51NM(P) and 52NM; 51MS(P) and 52MS.

Marking: Company name or tradename "H in a circle", "HOLLY" and model designation.

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