JOCHG20B-D6P/S Series

Rev.A.1.0

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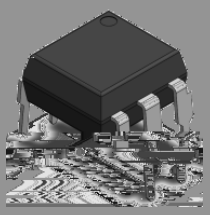
The products are 0.5MBd high-speed opto-couplers in a p DIP6 package with different lead bending options. The device combines an AlGaAs infrared emitting diode as the emitter which is optically coupled to a Schmitt Trigger detector. products are widely used in logic to logic isolator, programma current level sensor, line receiver- eliminate noise and transient problems, AC to TTL conversion square wave shaping, digi programming of power supplies and interfaces computers peripherals.



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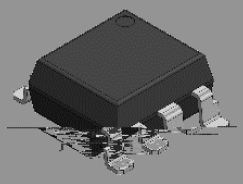

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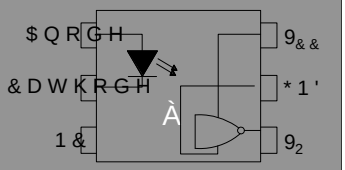

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Hig h isolation 5000 VRMS
Schmitt trig ger output
Operating temperature range -40ÁC to 110ÁC
REACH & RoHS compliance
HBM: H3A ; MM: M4 ; CDM:C3
CQC approved
VDE approved
UL approved

!.{h[¦¢9a!·La¦aw(Temperature = 25ÁC)

Parameter		Symbol	Value	Unit
Input	Forward Current	I_F	50	mA
	Peak Forward Current	I_{FP}	1[7]	$
	5HYHUVH 9ROWDJH	9_R		
	,QSXW 3RZHU 'LVVLSDWLRQ		3	P:
2XWSXW	6XSSO\ 9ROWDJH	9_{CC}		
	2XWSXW 9ROWDJH	9_O		
	2XWSXW &XUUHQW	I_O		
	2XWSXW 3RZHU 'LVVLSDWLRQ		3	P:
7RWDO 3RZHU 'LVVLSDWLRQ		P_{TOT}		P:
,VRODWLRQ 9ROWDJH		V_{ISO}	[8]	9UPV
2SHUDWLQJ 7HPSHUDWXUH		T_{OPR}	a	

Junction Temperature	**T_j**	**125**	
6WRUDJH 7HPSHUDWXUH	7vwJ	a	
6ROGHULQJ 7HPSHUDWXUH	7vRO		

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Parameter		Symbol	Condition	Min.	Typ.	Max.	Unit
Input	**Forward Voltage**	**$_F$V**	**I_F = 10mA**	**-**	**1.35**	**1.6**	**V**
	Reverse Current	**$_R$**	**V**				

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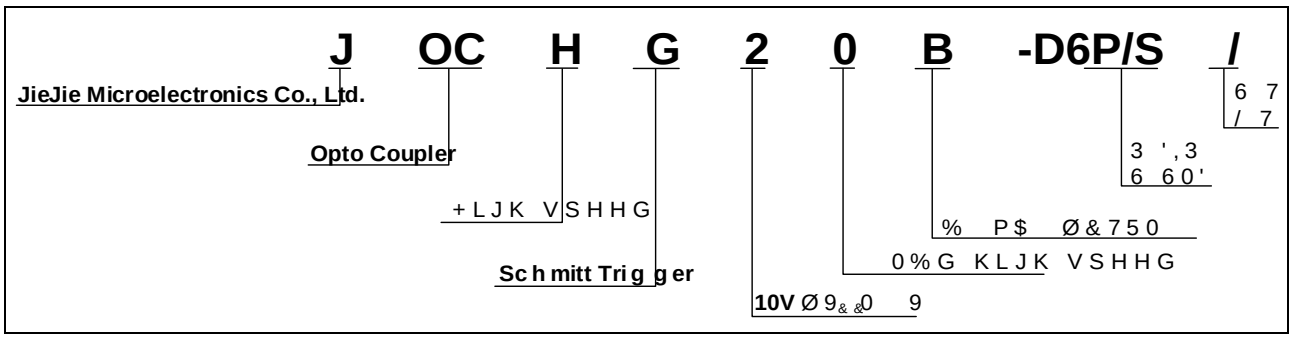

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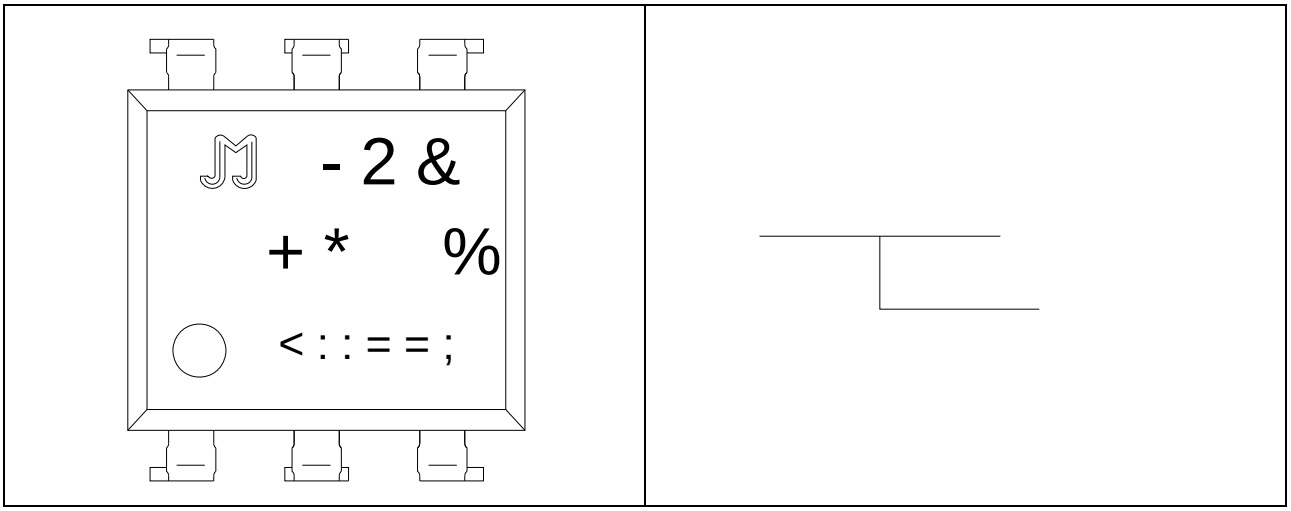

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FIG.1:

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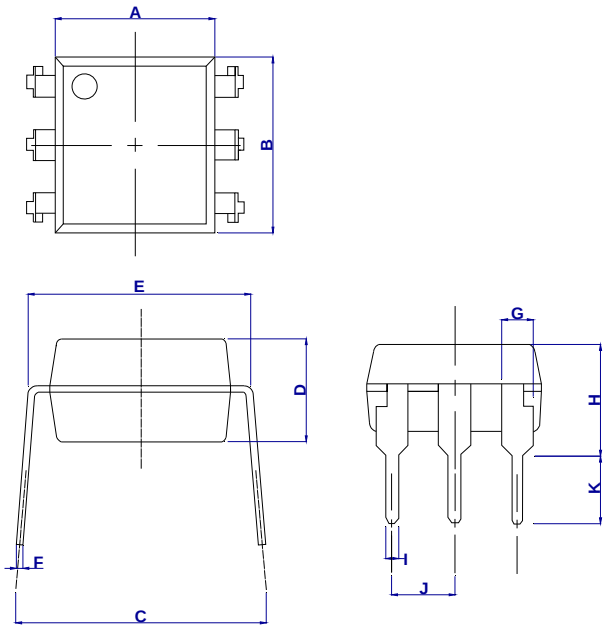
Standard DIP Type:



Ref.	Dimensions					
	Millimeters			Inc h es		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	6.20		6.60	0.244		0.260
B	6. 9 2		7 .32	0.2 7 2		0.2 8 8
C	7 .15		8 . 9 5	0.2 8 1		0.352
D	3.20		3.60	0.126		0.142
E	7 .32		7 . 9 2	0.2 8 8		0.312
F	0.15		0.35	0.006		0.014
G	1.15		1.35	0.045		0.053
H	3. 9 0		4.50	0.154		0.1 7 7
I	0.40		0.60	0.016		0.024
J	2.2 9		2. 7 9	0.0 9 0		0.110
K	2.24		3.24	0.0 8 8		0.12 8

Option SMD Type:

Ref.	Dimensions					
	Millimeters			Inc h es		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	6.20		6.60	0.244		0.260
B	6. 9 2		7 .32	0.2 7 2		0.2 8 8
C	9 .50		10.50	0.3 7 5		0.413
D	3.20		3.60	0.126		0.142
E	7 .32		7 . 9 2	0.2 8 8		0.312
F						
G						
H						
I	0. 9 0		1.50	0.035		0.05 9
J	3.30		3. 9 0	0.130		0.154
K						

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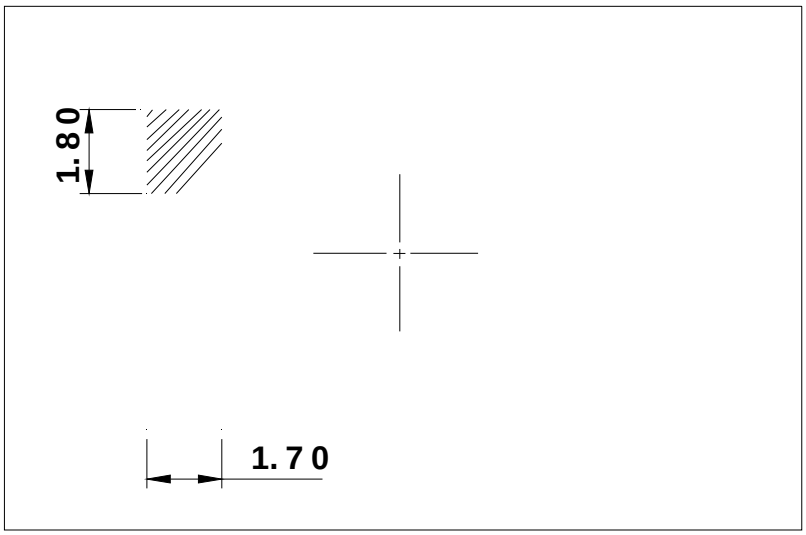
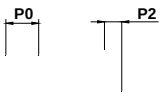
Option SMD





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Option S/L

Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
D0		1.50	1.60		0.059	0.063
P0	3.90	4.00	4.10	0.154	0.157	0.161
P1	11.90	12.00	12.10	0.469	0.472	0.476
P2	1.90	2.00	2.10	0.075	0.079	0.083
E	1.65	1.75	1.85	0.065	0.069	0.073
F	7.40	7.50	7.60	0.291	0.295	0.299
T	0.35	0.40	0.45	0.014	0.016	0.018
W	15.70	16.00	16.30	0.618	0.630	0.642

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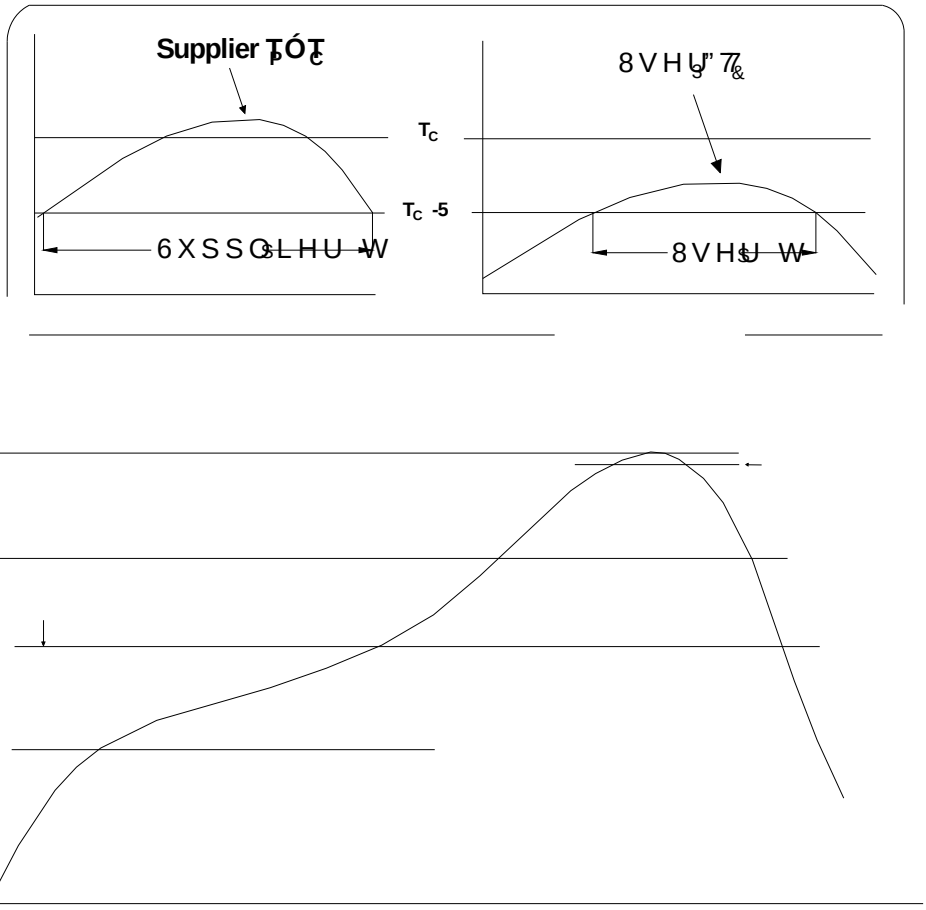

Note:

1. Reflow soldering is recommended at the temperatures and time shown, no more than three times.

2. Avoid direct contact between the epoxy body and any tools or surfaces exceeding its maximum storage temperature.

3. Application of pressure on the epoxy body is prohibited at elevated temperatures. In specific scenarios, any applied force must not exceed 2.5N.

4. Ensure the component has cooled to ambient temperature before proceeding with any subsequent manufacturing steps.

5. The component has a shelf life of one year when stored under standard conditions.

6. Recommend storage Temp.: 0 ~ 40 ÁC ;

   Recommend storage humidity: < 60% ;

   MSL level: MSL 1