JOC816X1 Series

Rev.A.1.0

DESCRIPTION:

The JOC816X1 photocoupler consist of an infrared light-emitting diode and a phototransistor. The devices can realize electrical isolation and signal transmission between different circuits. The products are widely used in electric energy meter, etc.

MAIN FEATURES

Current transfer ratio CTR: 80%-600% @I_F=5mA, V_{CE}=5V
High isolation voltage between input and output
(V_{iso}=5,000Vrms)
Creepage distance > 7.62mm
Operating temperature up to +110°C
Collector-Emitter voltage BV_{CEO} 80V
CQC approved
VDE approved
UL approved
The products comply with RoHS, REACH and HF

ABSOLUTE MAXIMUM RATINGS

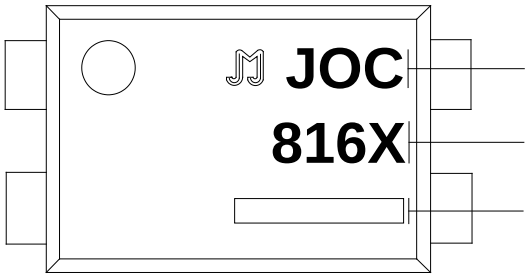
NOTE1: μ

NOTE2:

ELECTRICAL CHARACTERISTICS (Temperature=25°C)

ORDERING AND MARKING INFORMATION

MARKING INFORMATION



: Company Abbr.
: Part Number & Rank
Production Information Code

Packing Quantity

Option	Quantity	Quantity – Inner box	Quantity –Outer box

FIG.7: Normalized Current Transfer Ratio vs. Ambient Temperature

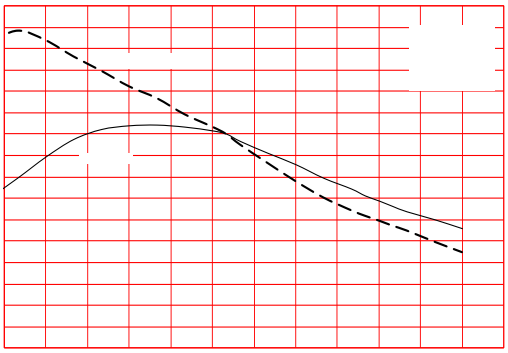
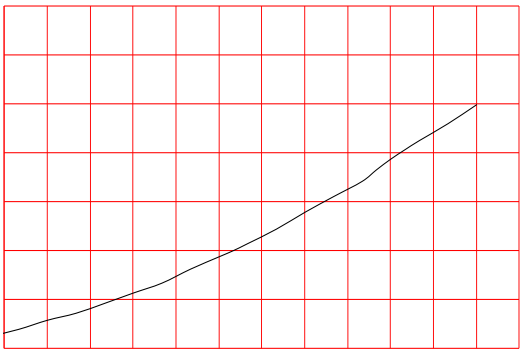
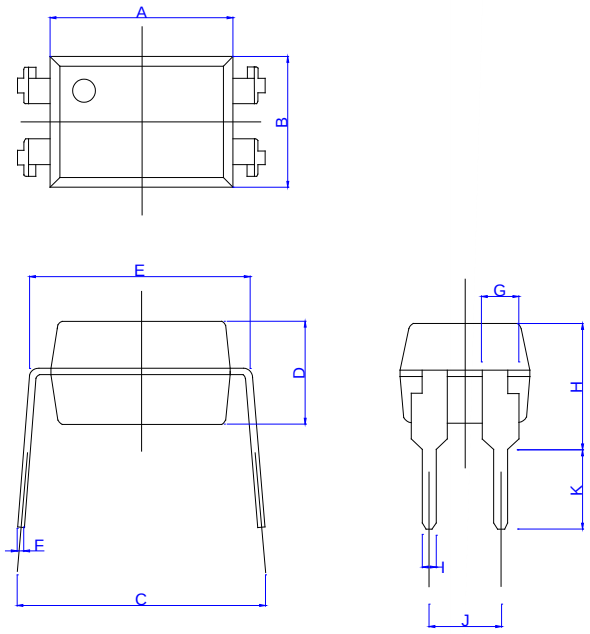


FIG.8: Normalized Collector-emitter Saturation Voltage vs. Ambient Temperature



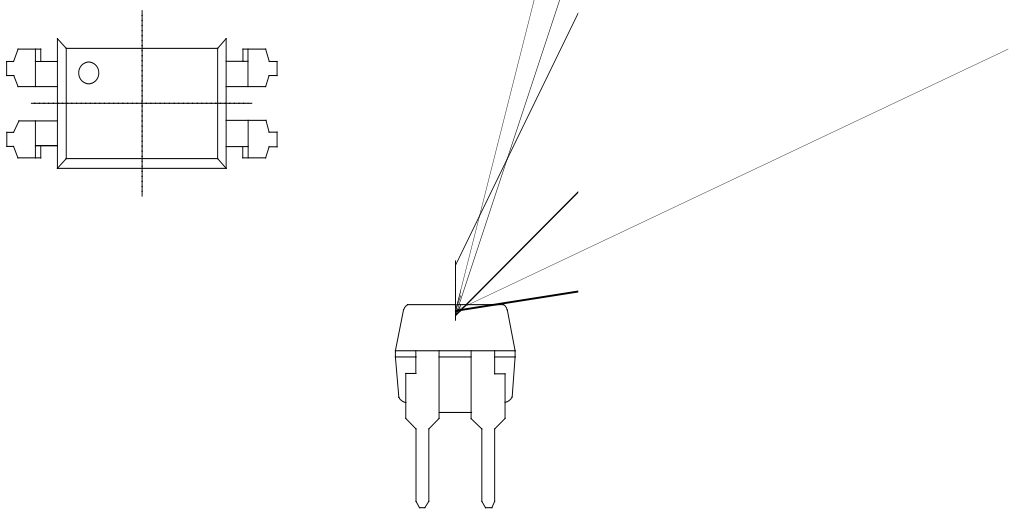
Package Dimension (Unit: mm

Standard DIP Type:

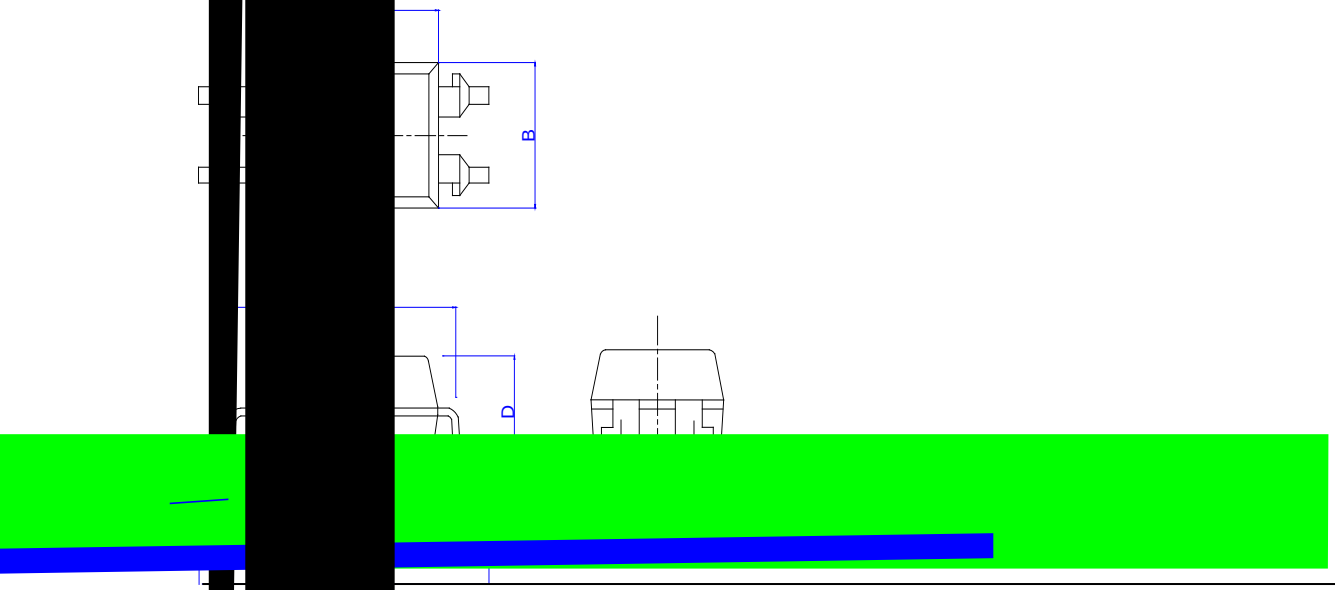


Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	6.00		7.00	0.236		0.276
B	4.08		5.08	0.161		0.200
C	7.62		10.16	0.300		0.400
D	3.00		4.00	0.118		0.157
E	7.32		7.92	0.288		0.312
F	0.15		0.36	0.006		0.014
G	0.90		1.50	0.035		0.059
H	3.50		4.80	0.138		0.189
I	0.40		0.60	0.016		0.024
J	2.29		2.79	0.090		0.110
K	2.45		3.50	0.096		0.138

Option M Type:

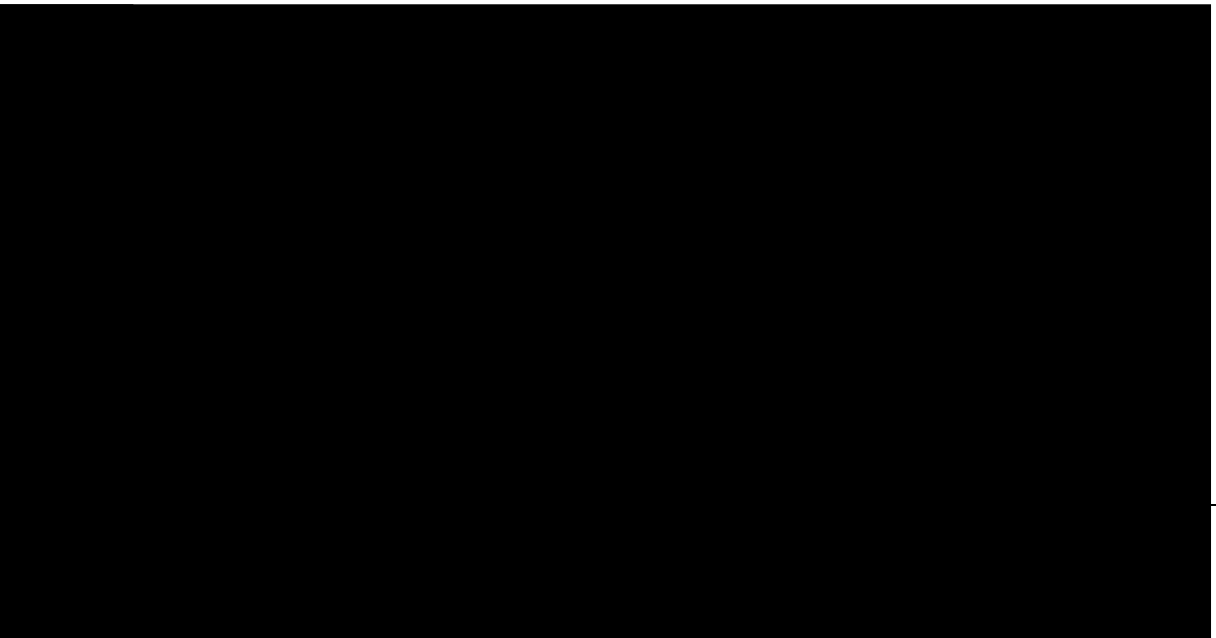


Opti mensionsMillimetersInchesRefMinTypMaxMinTypMax.

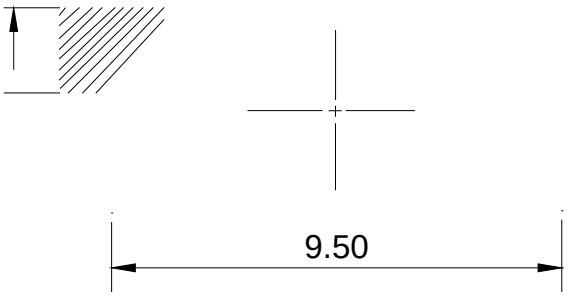


0.01998249 0.01372 SDM3 /Type 2835433195 752.95359 cm /CS 0 0 1 SC 2 J 0 0 m 3237 0 l S Q q 0.01998275 2249





Option SL

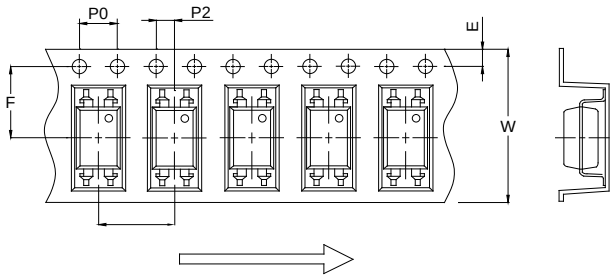


TUBE SPECIFICATIONS (Dimensions in mm unless otherwise stated)

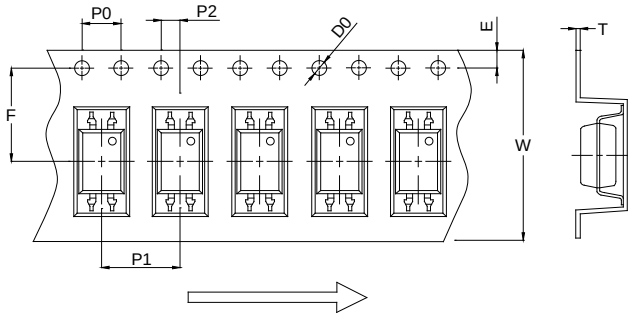
Standard DIP

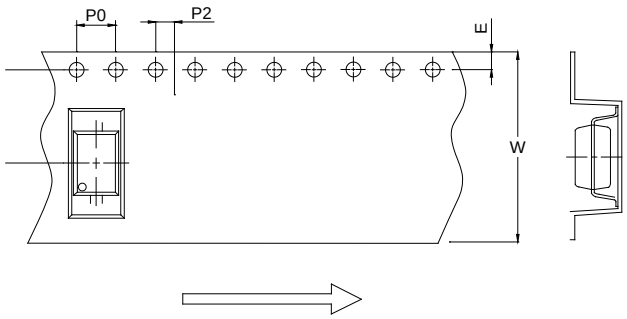


CARRIER TAPE SPECIFICATIONS (Dimensions in mm unless otherwise stated)

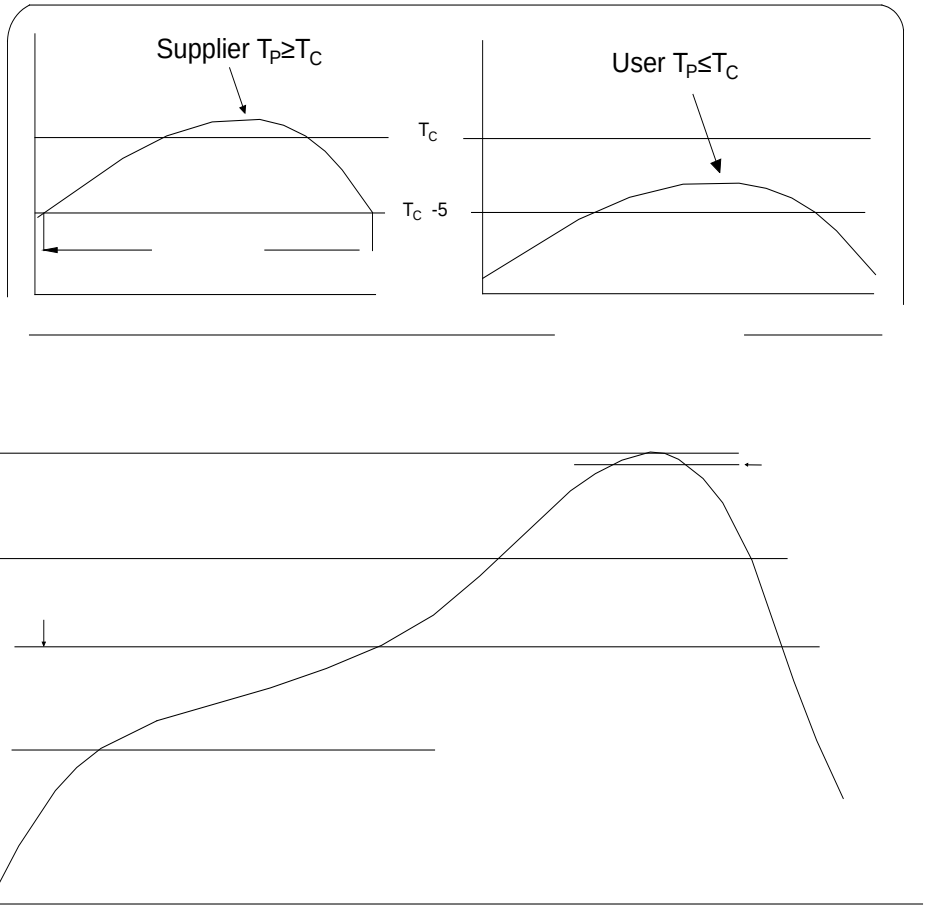


Option SLM(T1)

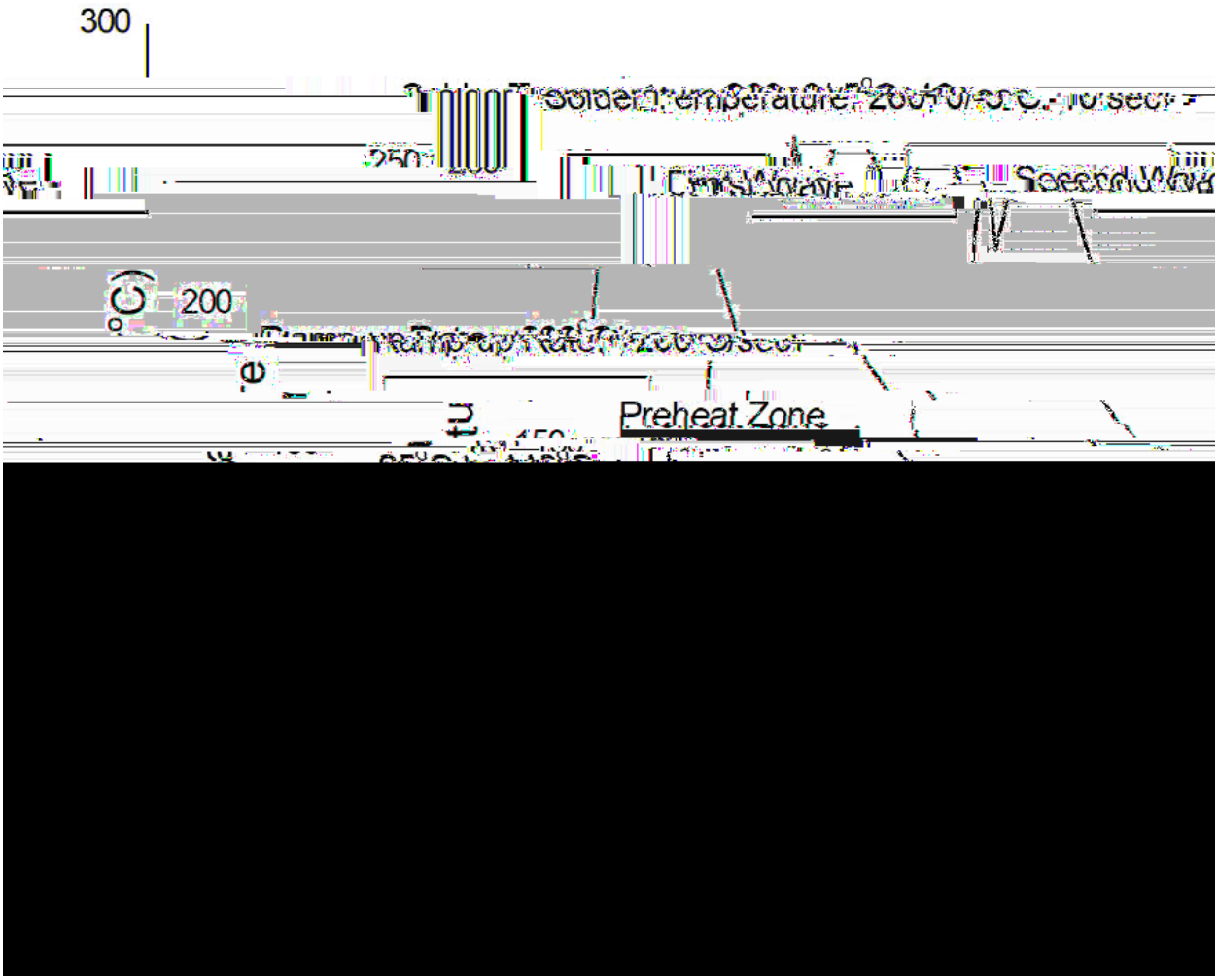




REFLOW INFORMATION



WAVE SOLDERING



HAND SOLDERING BY SOLDERING IRON	
Soldering Temperature	360 ± 5
Soldering Time	3s max.