



JOC343 Series

ABSOLUTE MAXIMUM RATINGS (Temperature=25°C)

Parameter		Symbol	Value	Unit
LED	Forward Current	I_F	50	mA
	Peak Forward Current	I_{FP}	1 ⁷	A
	Reverse Voltage	V_R	6	V
	Power Dissipation	P_D	100	mW
Detector	Output Voltage	V_O	35	V
	Supply Voltage	V_{CC}	35	V
	Power Dissipation	P_C	400	mW
Isolation Voltage		V_{iso}	5000 ⁸	Vrms
Operating Temperature		T_{opr}	-40~110	
Junction Temperature		T_j	125	
Storage Temperature		T_{stg}	-55~125	
Total Power Dissipation		P_{tot}	500	mW
Soldering Temperature		T_{sol}	260	

NOTE1 $i \dot{\mu}$

NOTE2 $(\} \text{œ } i u] v \mu \check{s} U Z X, X A \check{\delta} i \bullet \check{\delta} i 9$

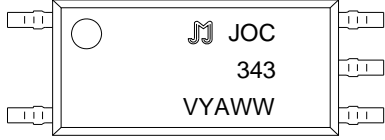
ELECTRICAL CHARACTERISTICS (Temperature=25°C)

Parameter		Symbol	Condition	Min.	Typ.	Max.	Unit
Input	Forward Voltage	V_F	$I_F=10mA$	-	1.35	1.6	V
	Reverse Current	I_R	$V_R=6V$	-	-	1	μA
	Terminal Capacitance	C_t	$V=0, f=1MHz$	-	60	-	pF
Output	Peak High-level Output Current	I_{OPH}	$V_O=V_{CC}-4V,$ Pulse width 50 μs	-1	-	-	A
			$V_O=V_{CC}-10V,$ Pulse width 10 μs	-3	-	-	A
	Peak Low-level Output Current	I_{OPL}	$V_O=V_{EE}+2.5V,$ Pulse width 50 μs	1	-	-	A
			$V_O=V_{EE}+10V,$ Pulse width 10 μs	3	-	-	A
	High Level Supply Current	I_{CCH}	$I_F=10mA$ $R_g=10 \text{ } ,$ $C_g=25nF$	-	-	3	mA
	Low Level Supply Current	I_{CCL}	$V_F=0V,$ $R_g=10 \text{ } ,$ $C_g=25nF$	-	-	3	mA

JOC343

JOC343

ORDERING AND MARKING INFORMATION

MARKING INFORMATION	
	<p>JOC: Company Abbr 343: Part Number VYAWW: LOT NO</p>
ORDERING INFORMATION	
JOC343(Y)(Z) GV	
JOC	Company Abbr
343	Part Number
Y	Lead Form Option
Z	Tape and Reel Option (T1 T2)
G	Green
V	VDE Option (V or None)
Packing Quantity	
Option	Quantity
T1 T	3 Units Reel

Characteristics Curves

FIG.1: Forward Current vs. Forward Voltage

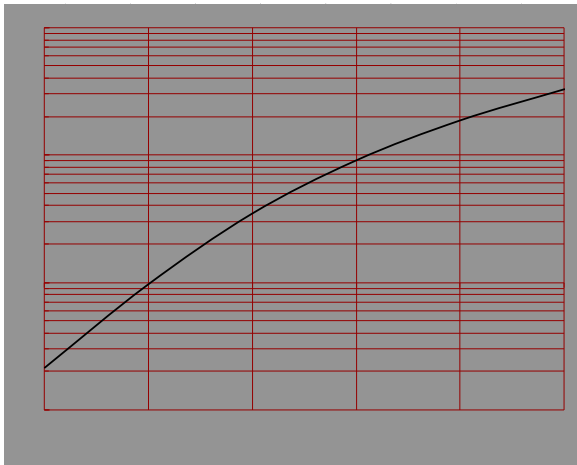


FIG.2: Max. Allowable LED Forward Current vs. Ambient Temperature



FIG.7: Low-level Output Voltage vs. Ambient Temperature

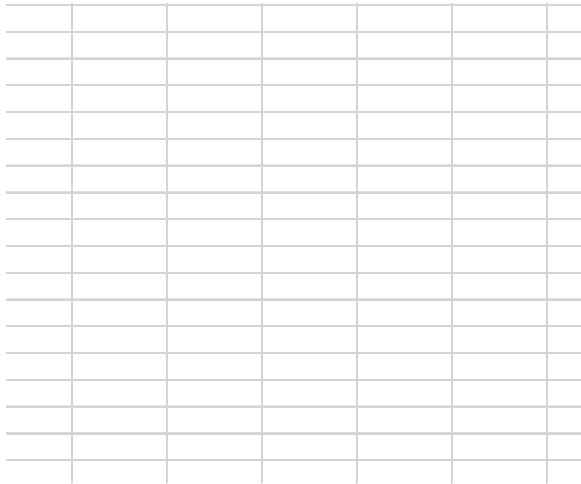
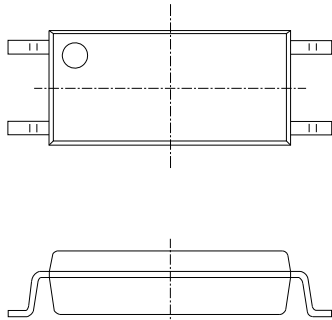


FIG.8: High-level Output Voltage vs. Ambient Temperature

FIG.13: Propagation Delay Time vs. Supply

Package Dimension (Unit: mm)

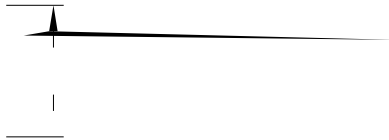
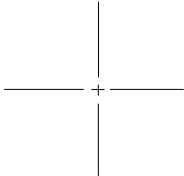
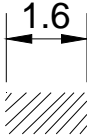
LSOP5



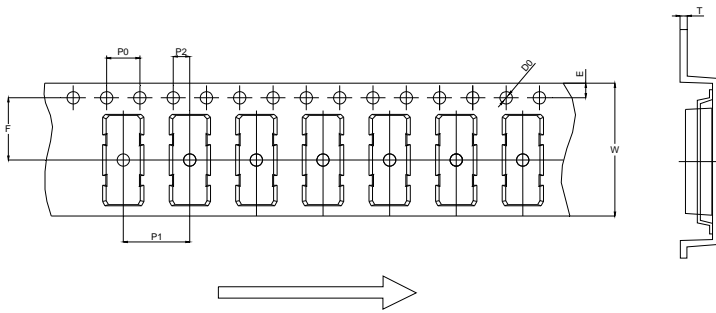
Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	7.40		7.80	0.291		0.307
B	3.40		3.80	0.134		0.150
C	0.00		0.20	0.000		0.008
D	1.80		2.20	0.071		0.087
E	8.10		8.70	0.319		0.343
F	0.40		1.00	0.016		0.039
G	9.90		10.50	0.390		0.413
H	0.10		0.30	0.004		0.012
I	1.80		2.40	0.071		0.094
J	0.25		0.55	0.010		0.022
K						

RECOMMENDED SOLDER MASK (Dimensions in mm unless otherwise stated)

LSOP5



CARRIER TAPE SPECIFICATIONS (Dimensions in mm unless otherwise stated)



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
D0	1.50	1.55	1.60	0.059	0.061	0.063
P0	3.90	4.00	4.10	0.154	0.157	0.161
P1	7.90	8.00	8.10	0.311	0.315	0.319
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	15.80	16.00	16.20	0.622	0.630	0.638



REFLOW INFORMATION

Note:

1. Reflow soldering is recommended at the temperatures and times 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°C;
Recommend storage humidity: <60%;
MSL level: MSL 1

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