JOC244

Rev.A.1.0

The JOC244 is a four channel photoelectric coupler composed of light-emitting diode and photo transistor. It is packaged in a 16-pin at SSOP16. The products are widely used in switching power supply, intelligent meter, industrial control, measuring instruments, office eqiupment such as copiers, household appliances such as air conditioners, fans, water heaters, etc.

Current transfer ratio: 50%~300% (I_F=±1mA, V_{CE}=5V,T_a=25),
100%~400% (I_F=±5mA, V_{CE}=5V,T_a=25)
High isolation voltage between input and output(V_{ISO}=3750 V_{rms})
Collector-emitter breakdown voltage BV_{CEO}≥80V
Operating temperature range -55°C to 110°C
UL VDE CQC approvals

(Temperature=25°C)

Parameter		Symbol	Value	Unit
Input	Forward Current	I_F	±60	mA
	Peak Forward Current	I_{FP}	±1	A
	Power Dissipation	P_I	100	mW
Output	Collector-emitter Voltage	V_{CEO}	80	V
	Emitter-collector Voltage	V_{ECO}	6	V
	Collector Current	I_C	50	mA
	Power Dissipation	P_O	150	mW
Total Power Dissipation		P_{tot}	200	mW
Isolation Voltage		V_{iso}	3750	Vrms
Operating Temperature		T_{opr}	-55~+110	
Storage Temperature		T_{stg}	04 Tc 0.004 Tw 6.96 0 0 6.96 338.4 0.48 31.1990 0 60 10.56 62.04 120.96 Tm [	

(Temperature=25°C)

Parameter

FIG.1: Forward Current vs. Ambient Temperature

FIG.2: Collector Power Dissiption vs. Ambient Temperature

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FIG.11: Test Circuits of Response Time

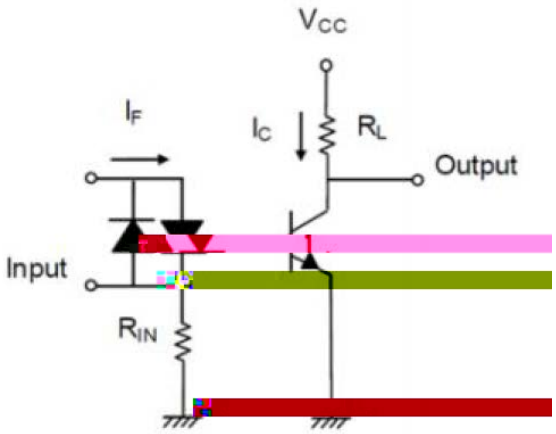
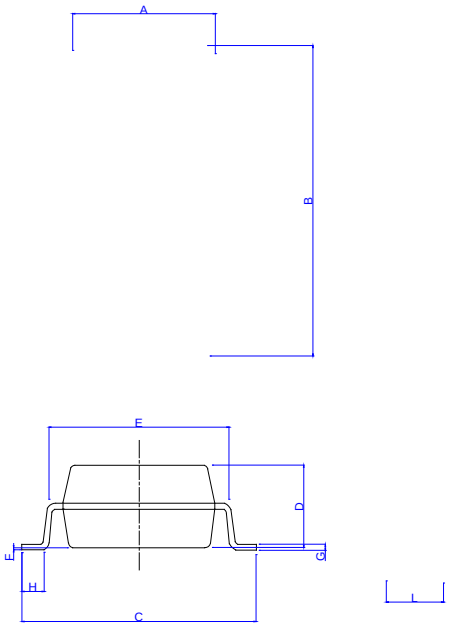
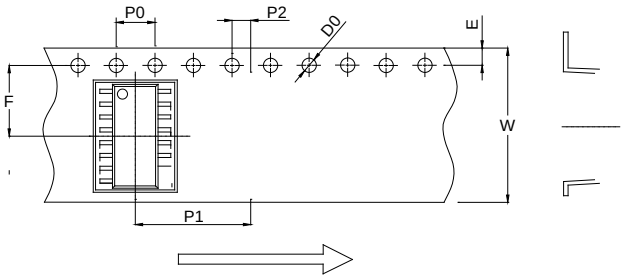


FIG.12: Curves of Response Time

FIG.13: Test Circuits of Frequency Response



Dimensions



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
D0						
W						