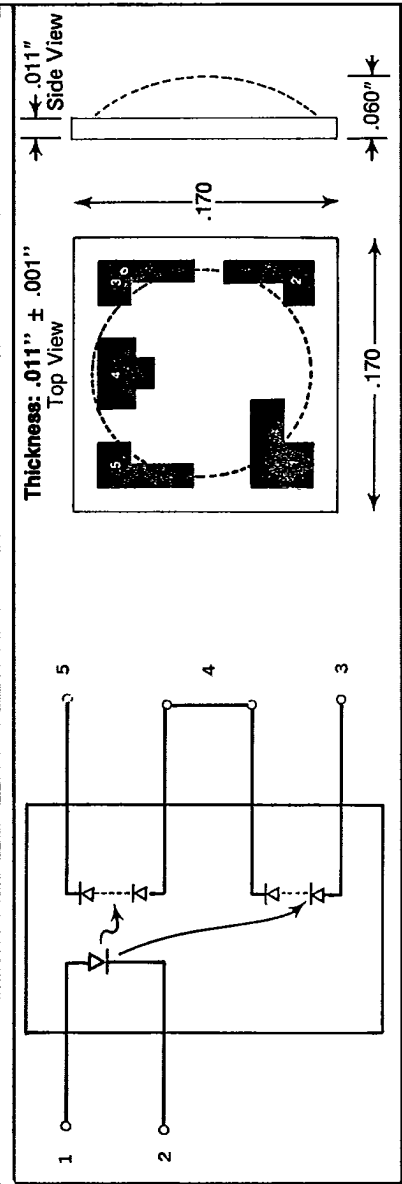


ISO-GATE™ DEVICES OPTO-ISOLATOR PERFORMANCE

DIG-12-06-025C, DIG-12-08-045C, DIG-12-08-010C, DIG-12-06-100C, DIG-12-06-250C

Coupled Characteristics (TA = 25°C)	Symbols	DIG-12-06-025C (Channels in Series) MIN. TYP.	DIG-12-08-045C (Channels in Series) MIN. TYP.	DIG-12-08-010C (Channels in Series) MIN. TYP.	DIG-12-06-100C (Channels in Series) MIN. TYP.	DIG-12-06-250C (Channels in Series) MIN. TYP.	Unit
Open Circuit Voltage @ IF = 10mA @ IF = 30mA	VOC	10.0 12.0	12.0 13.0	8.0 13	10 12	12 15	V
Short Circuit Current @ IF = 10mA @ IF = 30mA	ISC	1.0 1.5	1.0 2.0	.5 1.0	4 6	25 75	µA
On Time @ IF = 50 mA, PW = 100 µS, f = 1KHZ RSHUNT = 10 Meg, C = 10pf	tON	—	—	—	—	3.0	µS
Off Time @ IF = 50 mA, PW = 100 µS, f = 1 KHZ RSHUNT = 10 Meg, C = 10 pf	tOFF	—	—	—	—	300	µS
Operating Temperature	T _(op)	-50° to 110°C		-50° to 120°C	-50° to 110°C		°C
Temperature Coefficient	θ	-80		-100	-80		mV/°C

GENERAL CHARACTERISTICS		
Emitter* Forward Voltage (IF = 20mA)	Typ. 1.45	Max. 1.70
Reverse Current (VR = 3V)	—	100
Detector Forward Voltage (per channel) (IF = 10µA)	Typ. —	Max. 20
Reverse Voltage (IR = 1µA)	800	—



*DIG 12-06-100C and DIG 12-06-250C
Forward Voltage is Rated at 3.40V Max.