

Photo Darlington (continued)**High Voltage, with Base Connection**

Part Number	Features	BVCEO @ 1mA MIN (V)	Current Transfer Ratio IF = 1 mA VCE = 2V MIN (%)	Isolation B'kdown Voltage MIN (V)	Continuous Forward Current MAX (mA)	PIV LED @ 10µA MIN (V)	ICEO (Dark) VCE = 100V MAX (nA)	VCE(Sat) IF = 10mA IC = 100mA MAX (V)	Switching Times VCE = 2V IC = 20mA RL = 100 Ω TYP (µs)		Package
									t _f	t _r	
IS660	High Collector to Emitter Breakdown Voltage with over 1000% CTR and low Dark Current	200	1000	5000	60	6	100	1.2	30	130	24
IS661		300									
IS662		400									

High Speed High Voltage, with Base Connection

Part Number	Features	BVCEO @ 1mA MIN (V)	Current Transfer Ratio IF = 1 mA VCE = 2V MIN (%)	Isolation B'kdown Voltage MIN (V)	Continuous Forward Current MAX (mA)	PIV LED @ 10µA MIN (V)	ICEO (Dark) VCE = 80V MAX (nA)	VCE(Sat) IF = 10mA IC = 100mA MAX (V)	Switching Times VCE = 2V IC = 20mA RL = 100 Ω TYP (µs)		Package
									t _f	t _r	
HIIG1	High Collector to Emitter Breakdown Voltage with over 1000% CTR and low Dark Current	100	1000	5300 (Peak)	150	6	100	1.0	5	100	24
HIIG2		80									
HIIG3		55	200								

High Sensitivity, without Base Connection

Part Number	Features	Current Transfer Ratio I _F = 1.0mA MIN (%)	Isolation B'kdown Voltage V DC	Continuous Forward Current MAX (mA)	PIV LFD @ 10μA MIN (V)	BVCEO @ 1mA MIN (V)	ICEO (Dark) VCE = 10V MAX (nA)	VCE Sat I _F = 10mA I _C = 10mA MAX (V)	Package
ISPD60	Optically Coupled Pair with Infrared Emitter and Photo Darlington Transistor	100	2500	60	3.0	30	1000	1.0	25
ISPD61		500							
ISPD62		1000							
ISPD63		100	5000						
ISPD64		500							
ISPD65		1000							
MOC8050		500 (I _F = 10mA)	7500 (Peak)	80		80	1000 (VCE = 60V)		
TIL119		300 (I _F = 10mA)	1500	100	3.0 (@ 100 μA)	30	100		

Emitter/Detector Pairs**Infra-Red Emitters**

Part Number	Features	Power Min. mW	Wavelength Typ. nm	Intensity Deg.	Package
IS654A	3mm Dia. TI Package	1.5 (IF = 40 mA)	950	± 20	28
IS656A	Side Emitting	0.75 (IF = 20mA)		± 30	27
IS658A		0.7 (IF = 20mA)		± 13	26

Photo-Transistor Detectors

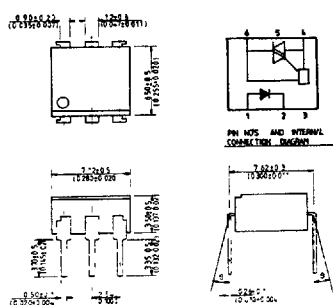
Part Number	Features	I _C Min. mA	t _r (µs) VCC=2v Ic=2mA RL=100Ω	t _f (µs) VCC=2v Ic=2mA RL=100Ω	Vce Sat Max. IF = 20mA IC = 2.5mA	Package
IS655A	3mm Dia. TI Package	0.075	100	100	1.0	28
IS659A	Side Detecting	0.4	3	35	0.4	26

Schmitt Trigger Detector

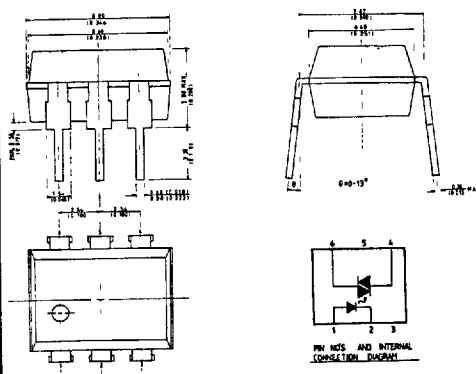
Part Number		IO Max ma	VCC Max v	VOL Max v	tr/ff µ typ	Hysteresis EVLH min EVHL max	Package
IS657A	Buffer Totem Pole O/P	16	17	0.4	0.1	0.5 0.9	29
IS657B	Buffer Open Collector O/P	16	20	0.4	0.1	0.5 0.9	29

Package Dimensions in inches (mm)

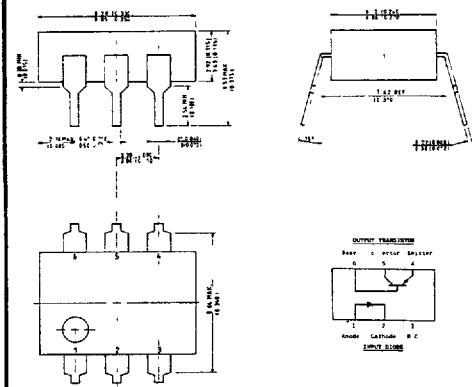
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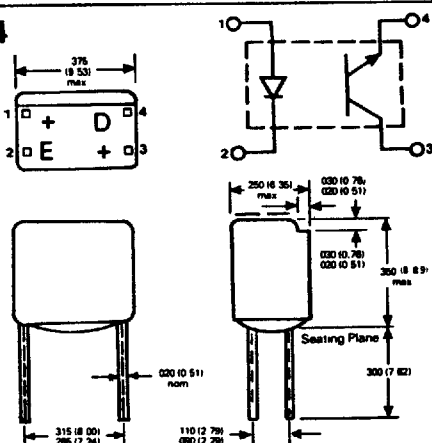
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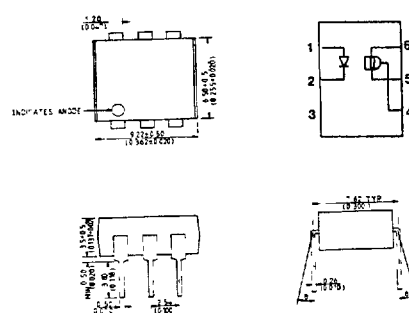
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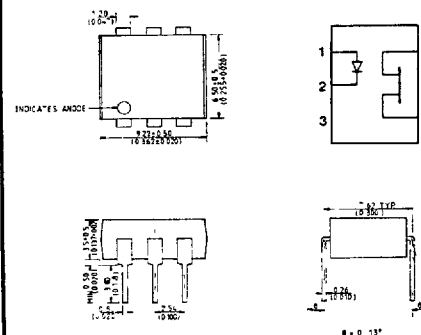
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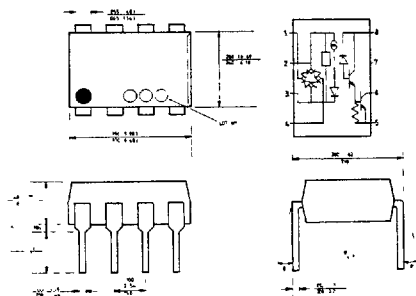
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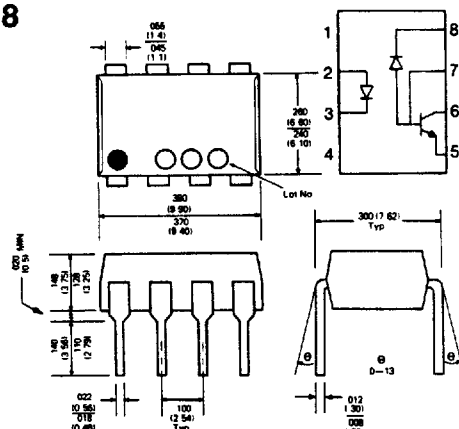
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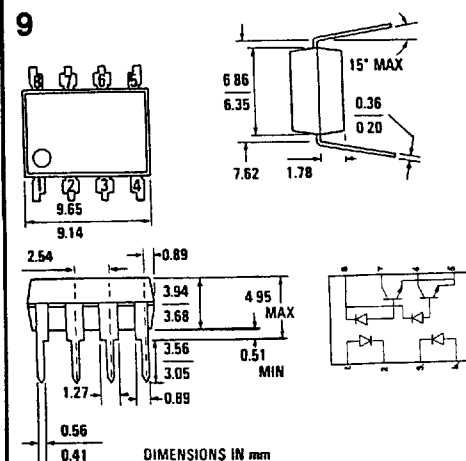
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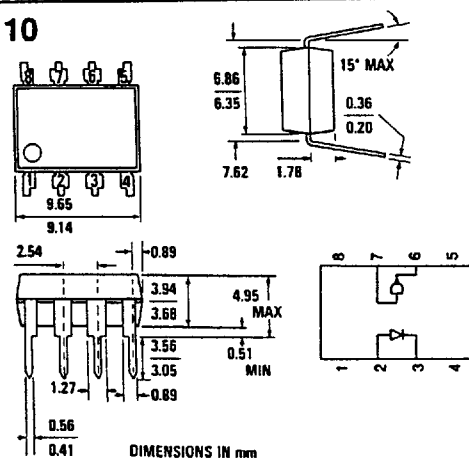
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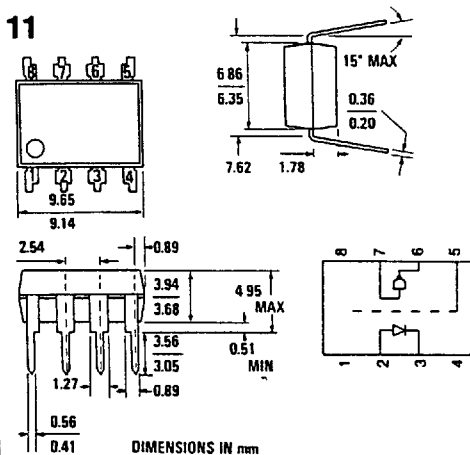
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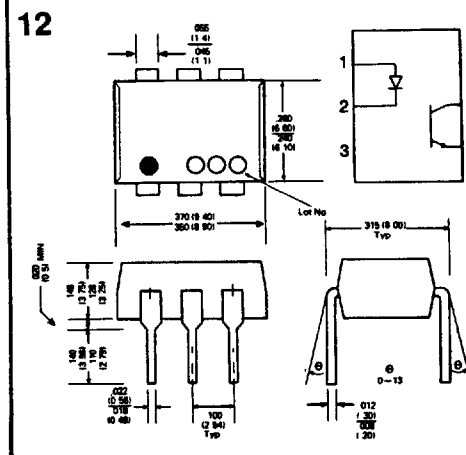
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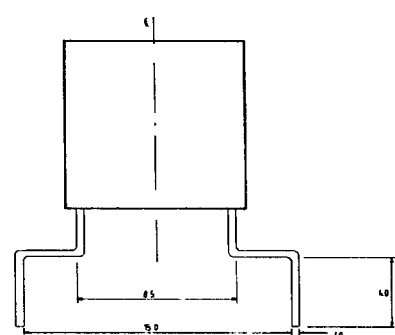
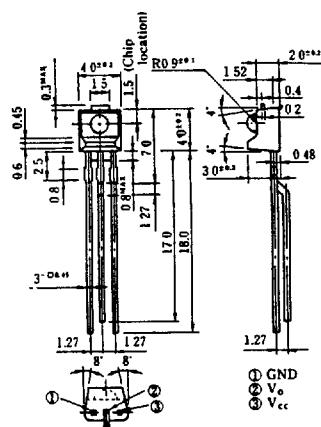
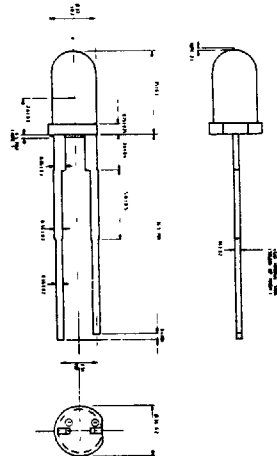
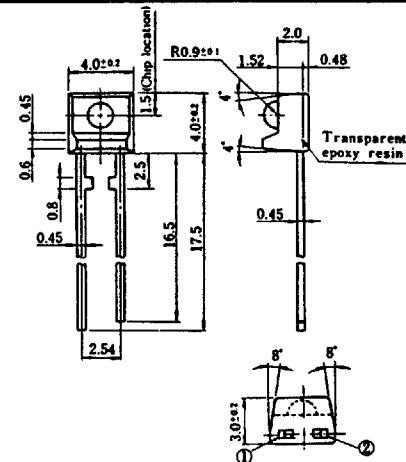
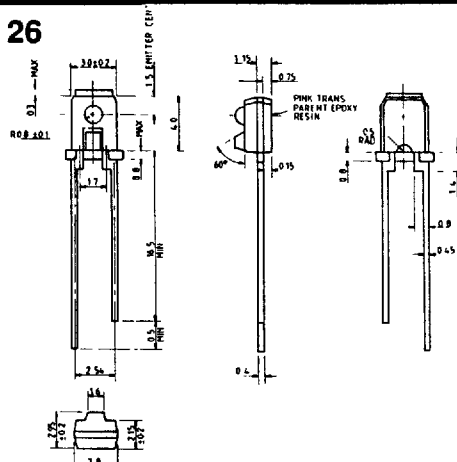
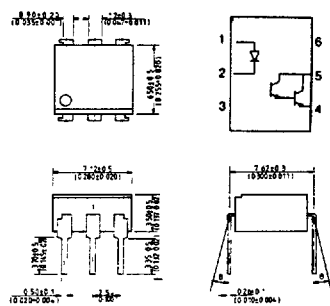
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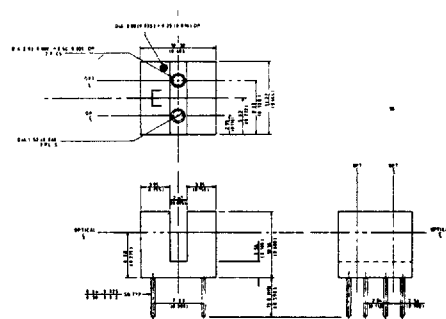
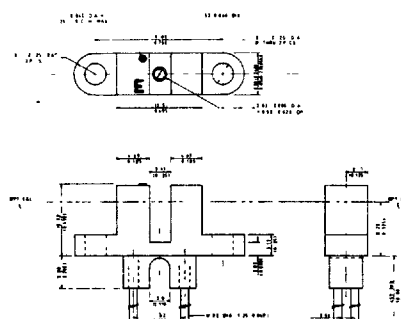
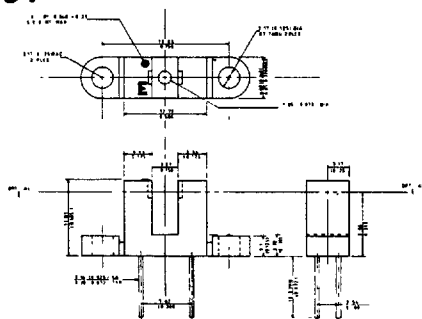
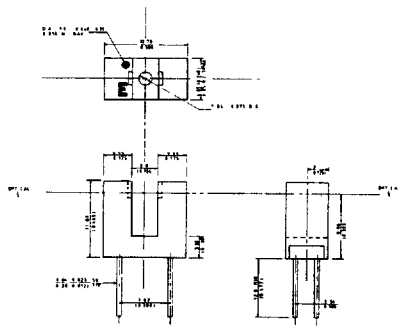
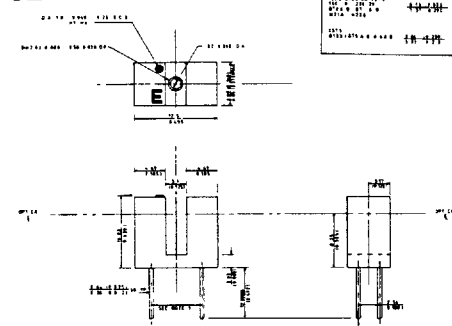
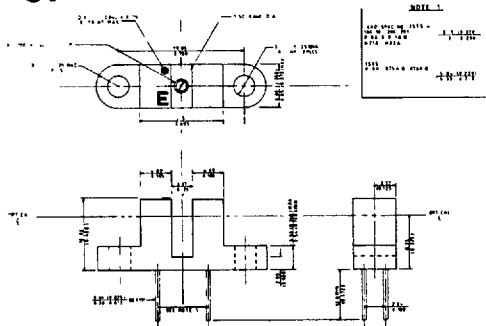


PLEASE NOTE – THESE PACKAGE DIMENSIONS ARE INTENDED ONLY AS A GUIDE, FOR
ADDITIONAL INFORMATION PLEASE CONTACT ISOCOM COMPONENTS



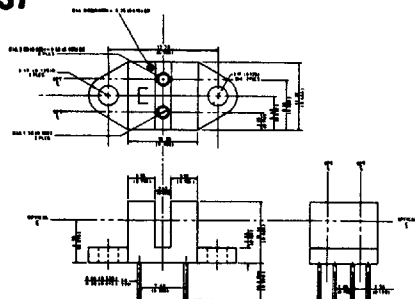
For full Package Dimensions
See Package 4

NOTE These dimensions apply to standard products only.

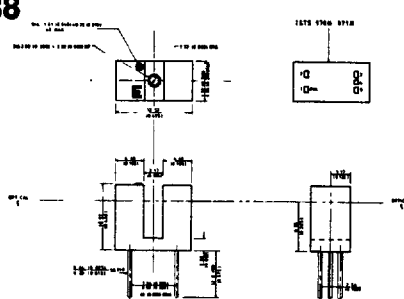


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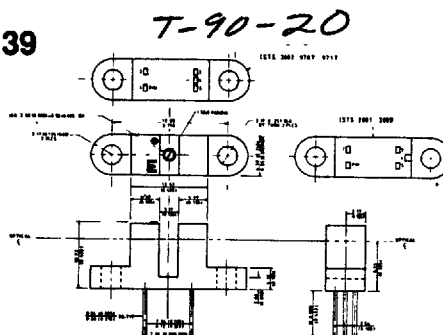
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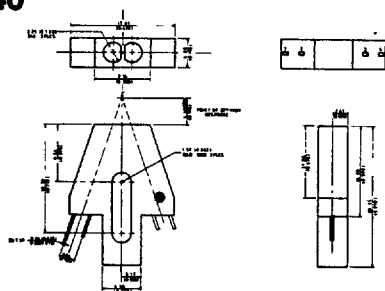
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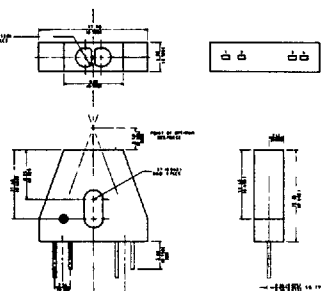
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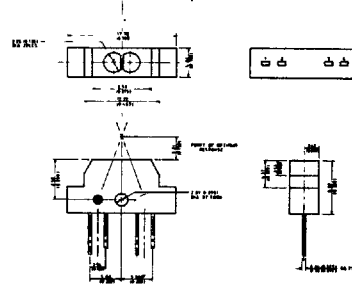
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NOTES COVERING SWITCHES

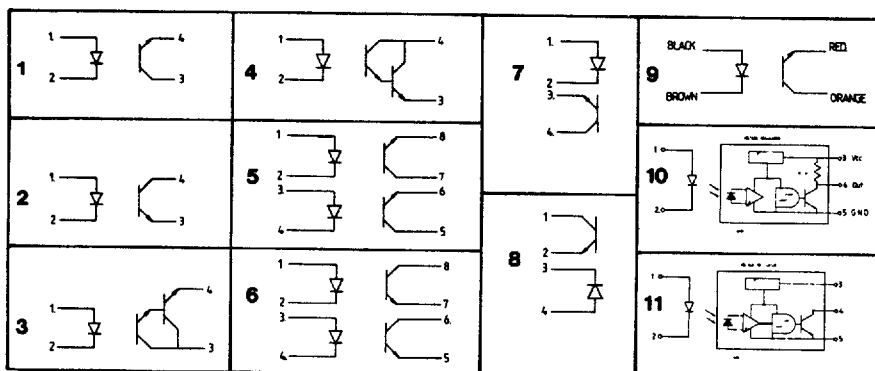
Lead Spacing – the standard interruptor switches are available with two standard lead spacings:

1. 0.320 (8.13)
0.290 (7.37)

2. 0.230 (5.84)
0.210 (5.33)

Housing material – Polycarbonate

SCHEMATICS



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