

Dual Channel

T-41-85

General Purpose

Part Number	Features	Current Transfer Ratio I _F = 10mA MIN (%)	Isolation B'down Voltage V DC	Continuous Forward Current MAX (mA)	PIV LED @ 10 μA MIN (V)	BVCE0 @ 1mA MIN (V)	ICE0 (Dark) VCE = 10V MAX (nA)	VCE Sat I _F = 16mA I _C = 2mA MAX (V)	Package
ISD-1	Two Isolators in one Package Independently Isolated from each other	20	2500	60	3.0	30	50	0.5 (I _C = 1.6mA)	21
ISD-5		50							
ISD-74		12.5 (I _F = 16mA)	1500			20	500 (V _{CE} = 5V)	0.5	
MCT 6 §		20	2500			30	100	0.4	

High Voltage, High CTR, High Sensitivity

§ Replacement for ILCT6.

Part Number	Features	Current Transfer Ratio I _F = 10mA MIN MAX (%)	Current Transfer Ratio I _F = 1.0mA MIN (%)	Isolation B'down Voltage V DC	Continuous Forward Current MAX (mA)	PIV LED @ 10 μA MIN (V)	BVCE0 @ 1mA MIN (V)	ICE0 (Dark) VCE = 10V MAX (nA)	VCE Sat I _F = 10mA I _C = 2mA MAX (V)	Package
ISD 201	Two Isolators in one Package Independently Isolated from each other	75 min.	10	5000	60	3.0	30	50	0.4	21
ISD202		125-250	30							
ISD203		225-450	50							

Quad Channel**General Purpose**

Part Number	Features	Current Transfer Ratio I _F = 10mA MIN (%)	Isolation B'down Voltage V DC	Continuous Forward Current MAX (mA)	PIV LED @ 10 μA MIN (V)	BVCE0 @ 1mA MIN (V)	ICE0 (Dark) VCE = 10V MAX (nA)	VCE Sat I _F = 16mA I _C = 1.6mA MAX (V)	Package
ISQ1	Four Isolators in one Package Independently Isolated from each other	20	2500	60	3.0	30	50	0.5	22
ISQ5		50							
ISQ74		12.5 (I _F = 16mA)	1500			20	500 (V _{CE} = 5V)	0.5 (I _C = 2mA)	

High Voltage, High CTR, High Sensitivity

Part Number	Features	Current Transfer Ratio I _F = 10mA MIN MAX (%)	Current Transfer Ratio I _F = 1mA VCE = 10V MIN (%)	Isolation B'down Voltage V DC	Continuous Forward Current MAX (mA)	PIV LED @ 10 μA MIN (V)	BVCE0 @ 1mA MIN (V)	ICE0 (Dark) VCE = 10V MAX (nA)	VCE Sat I _F = 10mA I _C = 2mA MAX (V)	Package
ISQ201	Four Isolators in one Package Independently Isolated from each other	75 min.	10	5000	60	3.0	30	50	0.4	22
ISQ202		125-250	30							
ISQ203		225-450	50							

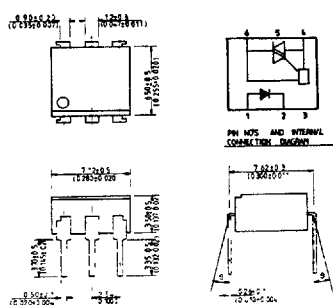
Photo Darlington**With Base Connection**

Part Number	Features	Current Transfer Ratio I _F = 10mA MIN (%)	Isolation B'down Voltage V DC	Continuous Forward Current MAX (mA)	PIV LED @ 10 μA MIN (V)	BVCE0 @ 1mA MIN (V)	ICE0 (Dark) VCE = 10V MAX (nA)	VCE Sat I _F = 8mA I _C = 2mA MAX (V)	Package
4N29	Optically Coupled Pair with Infrared Emitter and Photo Darlington Transistor	100	2500	60	3.0 (@ 100 μA)	30	100	1.0	23
4N30			1500						
4N31		50	2500					1.2	
4N32		500	1500					1.0	
4N33			2500					1.0	
H11B1		500 (I _F = 1mA)	2500		3.0	25	55	1.0 [I _F = 1mA I _C = 1mA]	
MCA2-55*		100	3550			55		1.0 [I _F = 50mA I _C = 50mA]	
H24B1	Optically Coupled Pair with internal distance between Emitter and Detector of 4mm min. Housed in a 4 pin plastic package without base connection "G" denotes lead spread tp 10mm.	1000 (I _F = 5mA)	5300	60	3.0	30	100	1.0	4
H24B2		400 (I _F = 5mA)	(Peak)						
IS2100		1000 (I _F = 5mA)	11000						
IS2060		600 (I _F = 5mA)	(Peak)						
IS2040		400 (I _F = 5mA)	11000						30
IS2100G		1000	(Peak)						
IS2060G		600 (I _F = 5mA)	11000						
IS2040G		400	(Peak)						

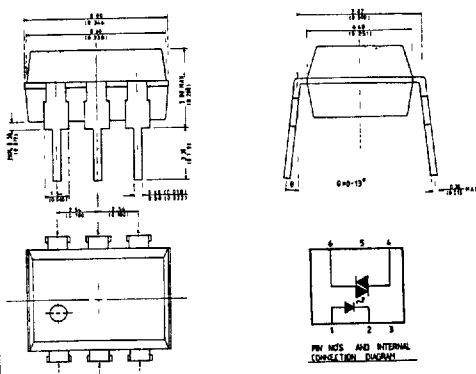
* REPLACEMENT FOR ILCA 2-55

Package Dimensions in inches (mm)

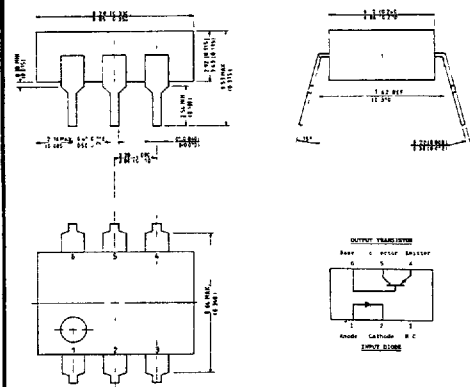
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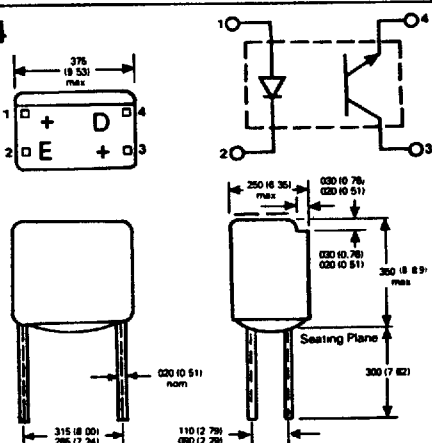
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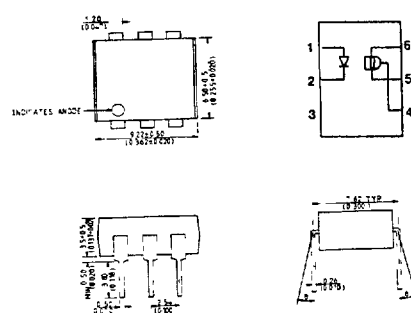
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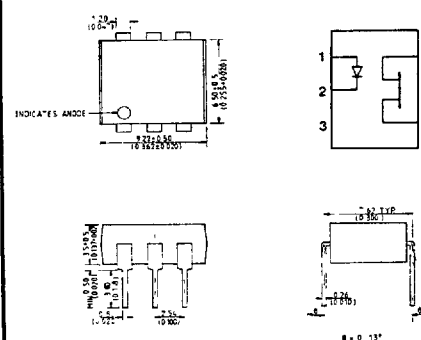
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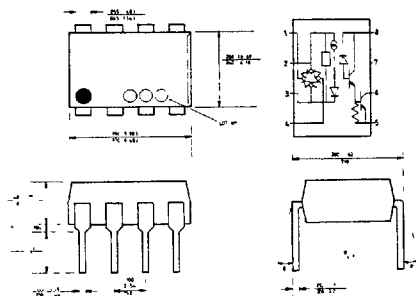
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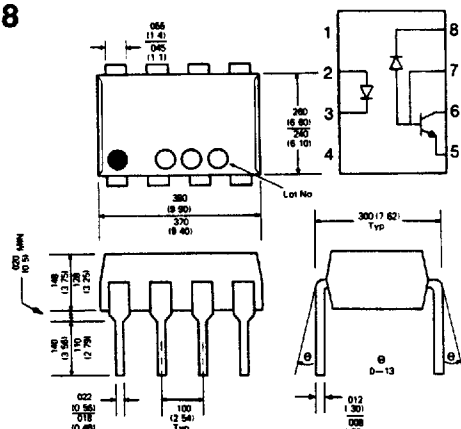
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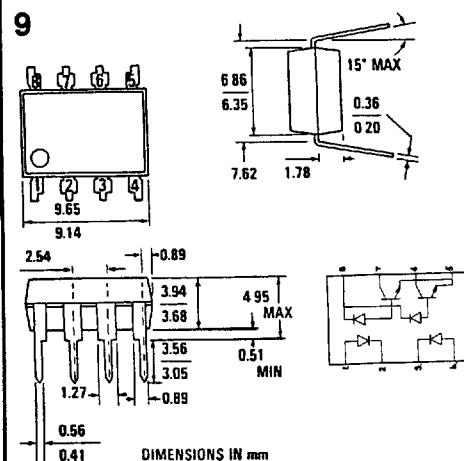
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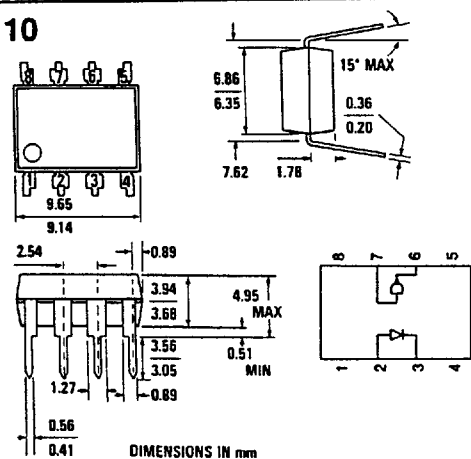
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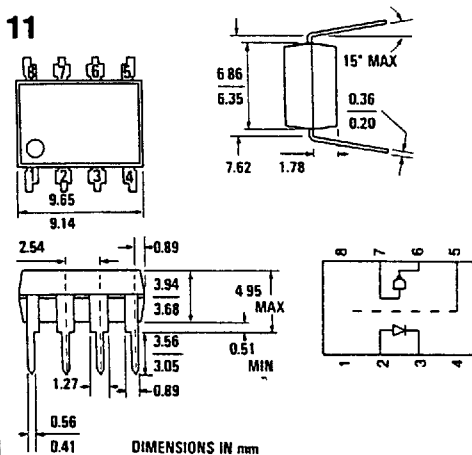
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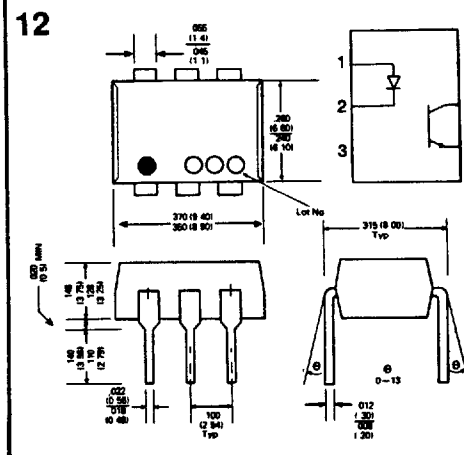
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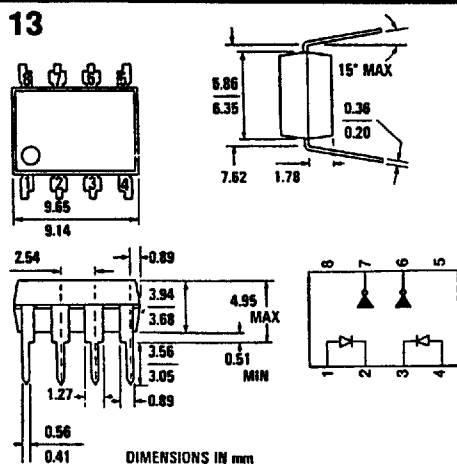
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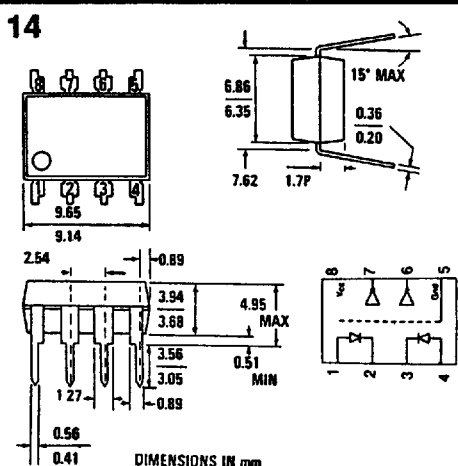
PLEASE NOTE – THESE PACKAGE DIMENSIONS ARE INTENDED ONLY AS A GUIDE, FOR
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Package Dimensions in inches (mm)

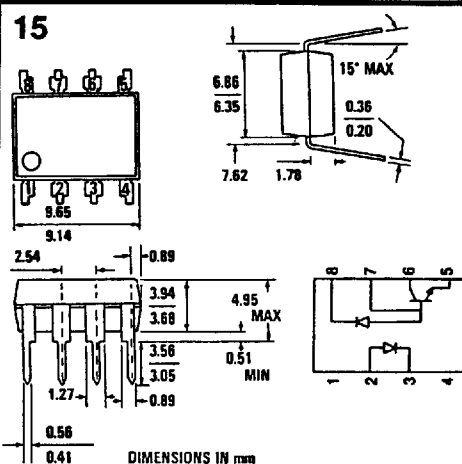
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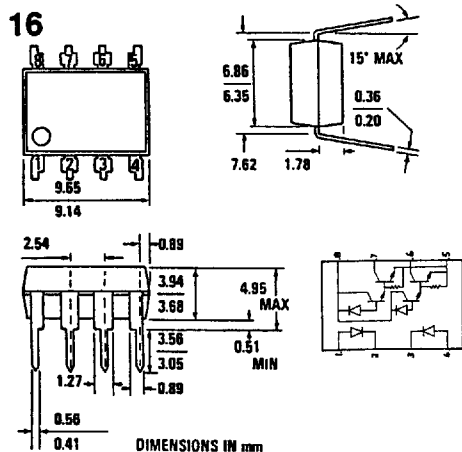
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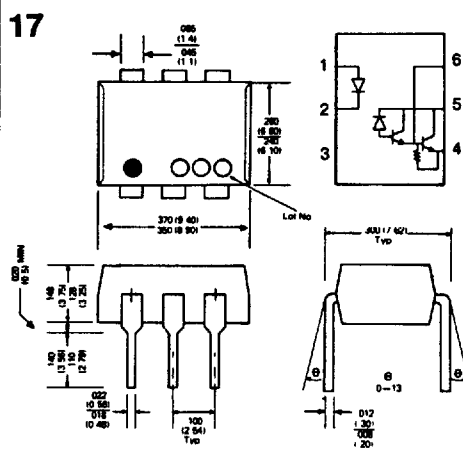
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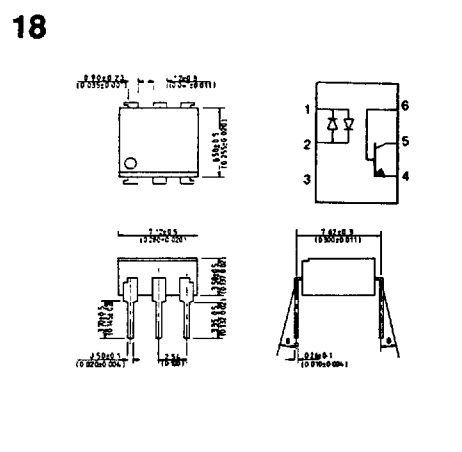
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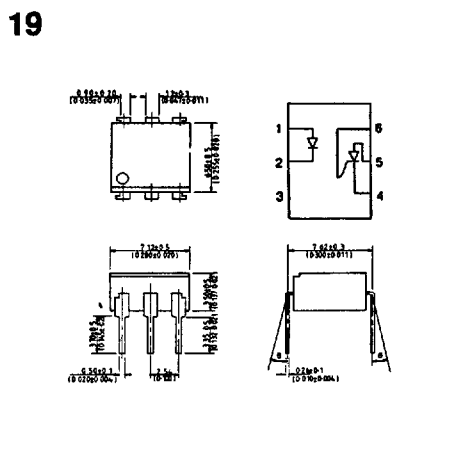
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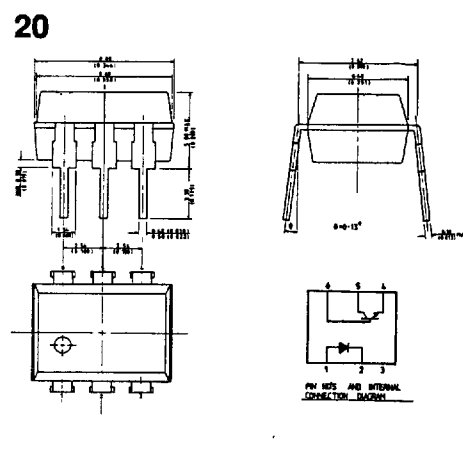
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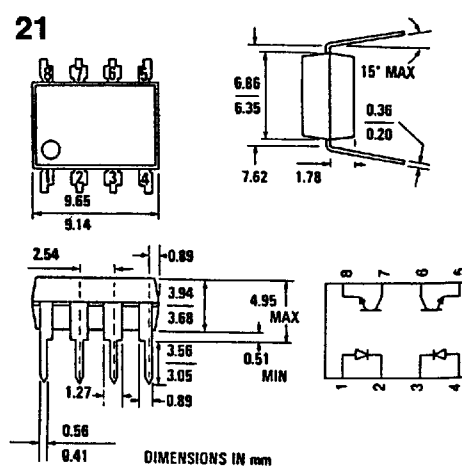
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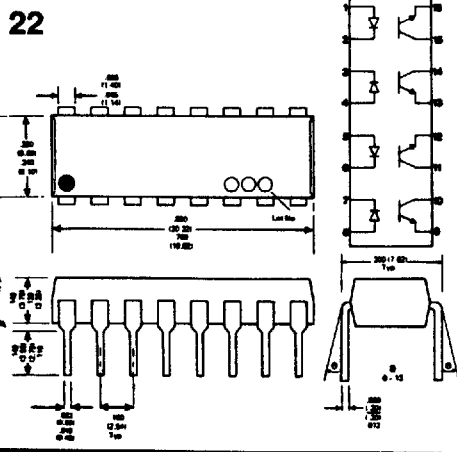
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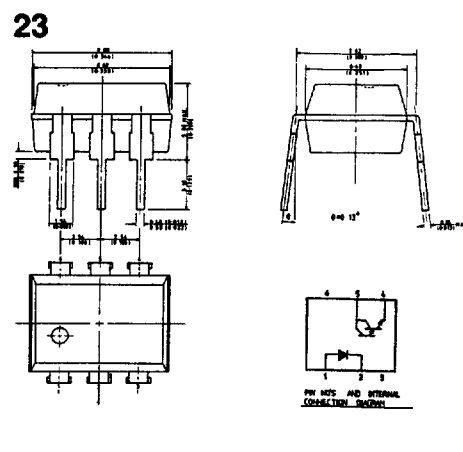
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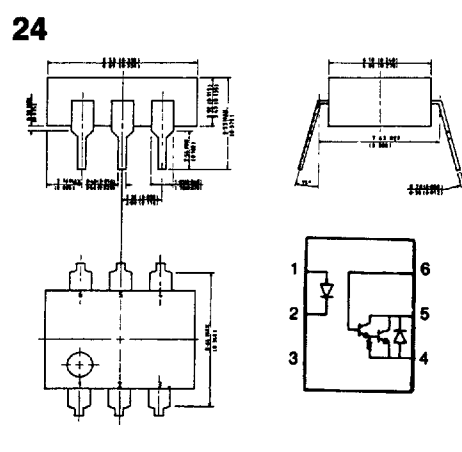
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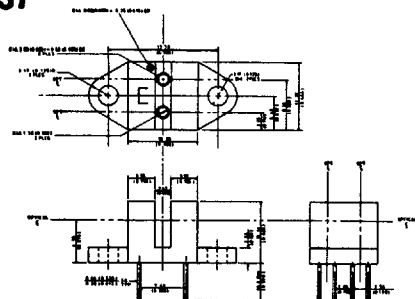
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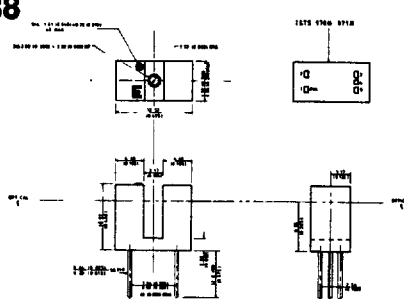
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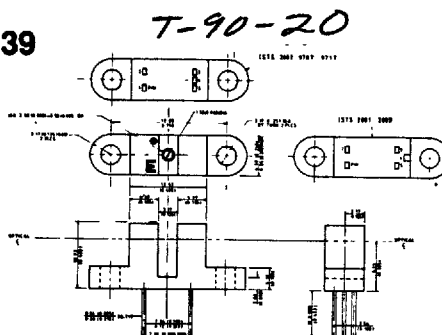
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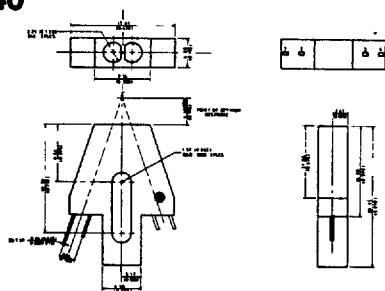
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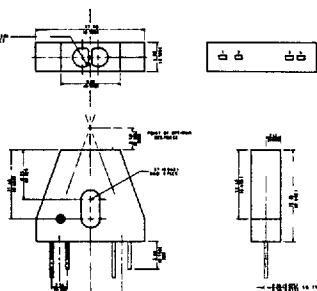
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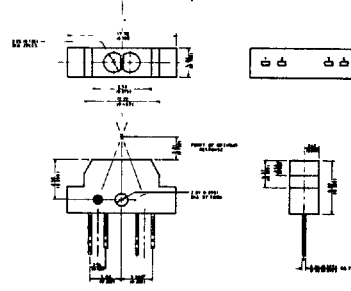
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NOTES COVERING SWITCHES

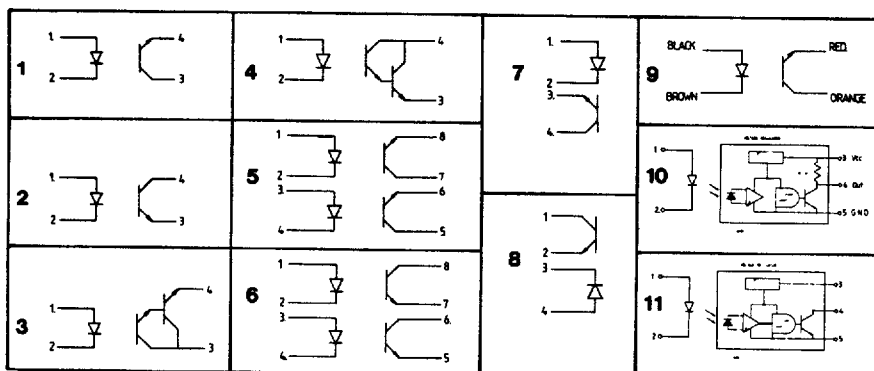
Lead Spacing – the standard interruptor switches are available with two standard lead spacings:

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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