



# cosmo

ELECTRONICS CORPORATION

Type Number		KP1010	KP3010	KP4010
Picture				
Max. Ratings	Output Collector-emitter Voltage	60 V	60 V	300 V
	Output Collector Power Dissipation	150 mW	150 mW	200 mW
	Isolation Voltage 1 minute	5000 Vrms	5000 Vrms	5000 Vrms
Electro-Characteristics	Input Forward Voltage (max.)	1.4 V	1.4 V	1.4 V
	Output Collector Dark Current (max.)	$10^{-7}$ A	$10^{-7}$ A	$10^{-7}$ A
	Current Transfer Ratio	60-600%	60-600%	600-9000%
	Isolation Resistance (min.)	$5 \times 10^{10}$ ohm	$5 \times 10^{10}$ ohm	$5 \times 10^{10}$ ohm
	Rise Response Time (max.)	20uS	20uS	300uS
	Fall Response Time (max.)	20uS	20uS	250uS
Features		<ul style="list-style-type: none"> <li>● Current transfer ratio CTR:MIN.60 at <math>I_F=2\text{mA}</math>, <math>V_{ce}=5\text{V}</math></li> <li>● High Isolation voltage between input and output (Viso:5000Vrms)</li> <li>● Compact dual-in-line package</li> </ul>	<ul style="list-style-type: none"> <li>● Current transfer ratio CTR:MIN.60 at <math>I_F=1\text{mA}</math>, <math>V_{ce}=5\text{V}</math></li> <li>● High Isolation voltage between input and output (Viso:5000Vrms)</li> <li>● Compact dual-in-line package</li> <li>● AC input</li> </ul>	<ul style="list-style-type: none"> <li>● Current transfer ratio (Veco:300V min.) CTR:MIN.600 at <math>I_F=1\text{mA}</math>, <math>V_{ce}=2\text{V}</math></li> <li>● High Isolation voltage between input and output (Viso:5000Vrms)</li> <li>● Compact dual-in-line package</li> </ul>
Top View				