



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

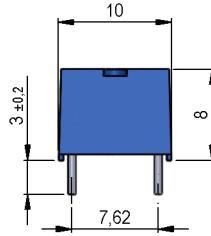
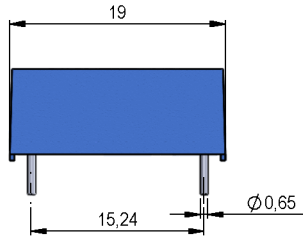
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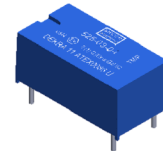
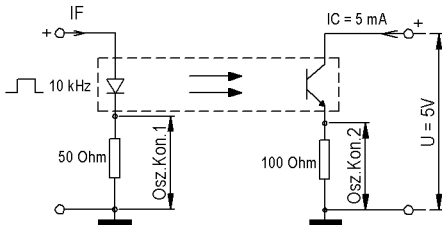
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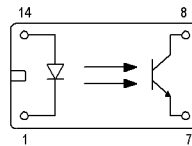
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Dimensions mm[inch]

 tolerances acc. to DIN ISO 2768-m
 Toleranzen gem. DIN ISO 2768-m

Isometric

 Scale 1:2
 Maßstab 1:2

Test circuit

Layout

 Top view
 Draufsicht

Marking


Elect. Coupler Characteristic	Conditions	Min	Typ	Max	Unit
Turn-on Time 1 Ton	If=10mA,Uce=5V,RL=100 Ohm		5,5		µS
Turn-Off Time 1 Toff	If=10mA,Uce=5V,RL=100 Ohm		4,2		µS
Current Transfer Ratio Ic/If CTR	If=10 mA	0,5	0,8		
Cut-Off Frequency 1 Fco	If=10mA,Uce=5V,RL=100 Ohm		50		kHz
Insulation Resistance Input/Output	RH 45%	1.000			GOhm
Insulation Voltage Input/Output Uio		4.000			VDC
Coupling capacitance Cc			0,4		pF
Creeping Distance		14,5			mm
Air Path Input/Output		14,5			mm
Insulation Distance Emitter-Detecto		5			mm

Maximum Ratings Emitter	Conditions	Min	Typ	Max	Unit
Forward Voltage Uf	If=10 mA			1,5	V
DC Forward Current If				100	mA
Reverse Voltage Ur	Ir=100 microA			5	V
Surge Forward current Ifs	t<=10 ms			500	mA
Current Reduction		0,73			mA/°C
Power Dissipation Ptot				170	mW

Maximum Ratings Detector	Conditions	Min	Typ	Max	Unit
Collector-Emitter Voltage Vce				32	VDC
Emitter-Collector Voltage Vec				5	VDC
Collector Dark Current Iceo	Uce=20V,R=1MOhm,If=0mA			0,2	µA
Collector-Emitter Saturation Voltag	If=10 mA, Ic=1 mA		0,3		VDC
Collector Peak Current Icm				100	mA
Collector Current Ic				50	mA
Power Reduction		0,91			mW/°C
Power Dissipation Ptot				100	mW



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Item No.:

5217103000

Item:

525-03-0-i

Special Product Data	Conditions	Min	Typ	Max	Unit
Connection pins				cu-alloy tinned	
Case colour				blue	
Housing material				Plastic	
Reach / RoHS conformity				yes	
Sealing compound				Polyurethan	
Approval				DEKRA 11ATEX0086 U	

Environmental data	Conditions	Min	Typ	Max	Unit
Ambient Temperature Ta		-40		85	°C
Storage temperature		-40		100	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Shock	1/2 sine wave duration 11ms			50	g
Vibration	from 10 - 2000 Hz			20	g
Washability				fully sealed	

Modifications in the sense of technical progress are reserved

Designed at: 06.04.09 Designed by: KSCHIELENSKI

Approval at: 21.12.10 Approval by: KOLBRICH

Last Change at: 08.07.14 Last Change by: DSTASTNY

Approval at: 16.07.14 Approval by: KOLBRICH

Version: 17