# TLP762J(D4)SERIES,TLP763J(D4)SERIES

### TOSHIBA PHOTOCOUPLER

# TLP762J(D4), TLP762JF(D4), TLP763J(D4), TLP763JF(D4)

ATTACHMENT: SPECIFICATIONS FOR VDE0884 OPTION: (D4)

Types: TLP762J, TLP762JF, TLP763J, TLP763JF

Type designations for 'Option: (D4)', which are tested under VDE0884 requirements.

TLP762J (D4-LF1)

D4: VDE0884 option

LF1 lead bend

: Use Toshiba standard type number for safety standard application.

Ex. TLP762J (D4-LF1) → TLP762J

#### VDE0884 ISOLATION CHARACTERISTICS

DESCRIPTION	SYMBOL	RATING	UNIT
Application Classification			
(DIN VDE0110 Teil 2/01.89, Table 1)	-		
for rated mains voltage≦300 V <sub>RMS</sub>		I-IV	_
for rated mains voltage≦600 V <sub>RMS</sub>		<b>I</b> - Ⅲ	
Climatic Classification		40/100/21	_
(DIN IEC68 Teil 1/09.80)		407100721	
Pol <mark>lution Degree (DIN VDE0110 Teil 2/01.89)</mark>		2	= 6
Maximum Operating Insulation Voltage	VIORM	1130	Vpk
Input to output Test Voltage, Method A		-b	-0.01
Vpr=1.5×V <sub>IORM</sub> Type and Sample Test	Vpr	1695	Vpk
t <sub>p</sub> =60s, Partial Discharge<5pC	HELLS	M. At	
Input to output Test Voltage, Method B	FD.		
Vpr=1.875×V <sub>IORM</sub> , 100% Production Test	Vpr	2120	Vpk
t <sub>p</sub> =1s, Partial Discharge<5pC			
Highest Permissible Overvoltage	Van	6000	Vpk
(Transient Overvoltage, t <sub>pr</sub> =10s)	$V_{\mathrm{TR}}$	8000	v pk
Safety Limiting Values (Max. permissible ratings in case of			
fau <mark>lt, also refer to thermal derating curve</mark> )			- 17.11
Current (Input current IF, Psi=0)	Isi	400	mA
Power (Output or Total Power Dissipation)	Psi	700	mW
Temperature	Tsi	150	°C
Insulation Resistance, V <sub>IO</sub> =500V, Ta=25°C	Dei	$\geq$ $10^{12}$	Ω
	Rsi	$\geq$ $10^{9}$	7 2

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#### INSULATION RELATED SPECIFICATIONS

INSULATION RELATED SPECIFICATIONS				
			J	
		7.62mm pitch	10.16mm pitch	
		TLPxxx type	TLPxxxF type	
Minimum Creepage Distance (*)	Cr	7.0mm	8.0mm	
Minimum Clearance (*)	Cl	7.0mm	8.0mm	
Minimum Insulation Thickness	ti	0.5mm		
Comperative Tracking Index	COT	175		
(DIN IEC112/VDE0303, Part 1)	CTI	(VDE0110 Teil $2/01.89$ Group $\mathbb{II}$ a)		

- (\*) in accordance with DIN VDE0110 Teil 2/01.89, Table 2, & 4
- 1. If a printed circuit is incorporated, the creepage distance and clearance may be reduced below this value (e. g. at a standard distance between soldering eye centres of 7.5mm). If this is not permissible, the user shall take suitable measures.
- 2. This photocoupler is suitable for 'safe electrical isolation' only within the safety limit data. Maintenance of the safety data shall be ensured by means of protective circuits.







