




Insulation Related Specifications

Minimum creepage distance (*)	Cr	7.0 mm
Minimum clearance (*)	Cl	7.0 mm
Minimum insulation thickness	ti	0.5 mm
Comperative tracking index (DIN IEC112 / VDE0303, part 1)	CTI	175 (VDE0109 / 12.83 group III a)

(*) in accordance with DIN VDE0109 / 12.83, 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 7.5 mm). 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.

	TLP620, 620-2, 620-4 TLP621, 621-2, 621-4	TLP750, 751
VDE test sign: Marking on product for VDE0884	4	
Marking on packing for VDE0884	 0884	 0884

Marking example: 4 pin type

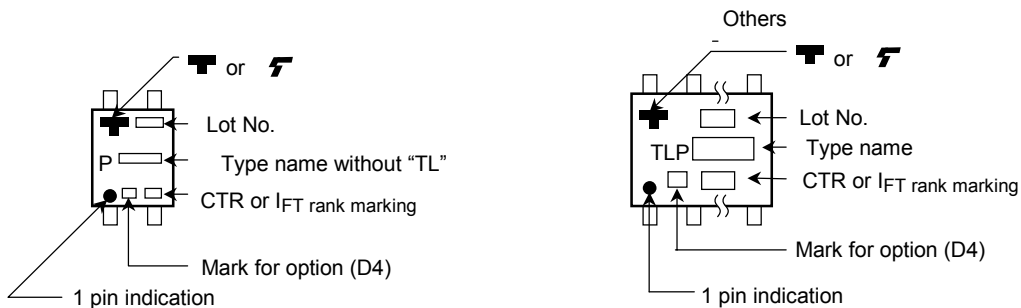


Figure 1 Partial discharge measurement procedure according to VDE0884
Destructive test for qualification and sampling tests.

Method A

(for type and sampling tests,
destructive tests)

$t_1, t_2 = 1$ to 10s

$t_3, t_4 = 1$ s

t_P (measuring time for
partial discharge) = 50s

$t_b = 62$ s

$t_{ini} = 10$ s

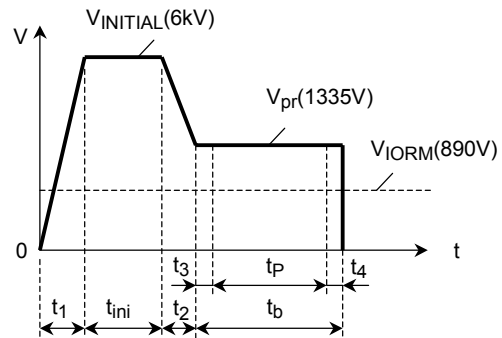


Figure 2 Partial discharge measurement procedure according to VDE0884
Non-destructive test for 100% inspection.

Method B

(for sample test, non-
destructive test)

$t_3, t_4 = 0.1$ s

t_P (measuring time for
partial discharge) = 1s

$t_b = 1.2$ s

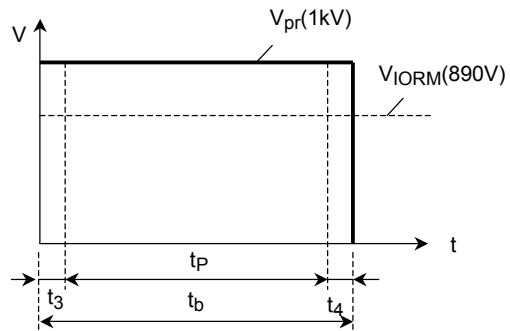
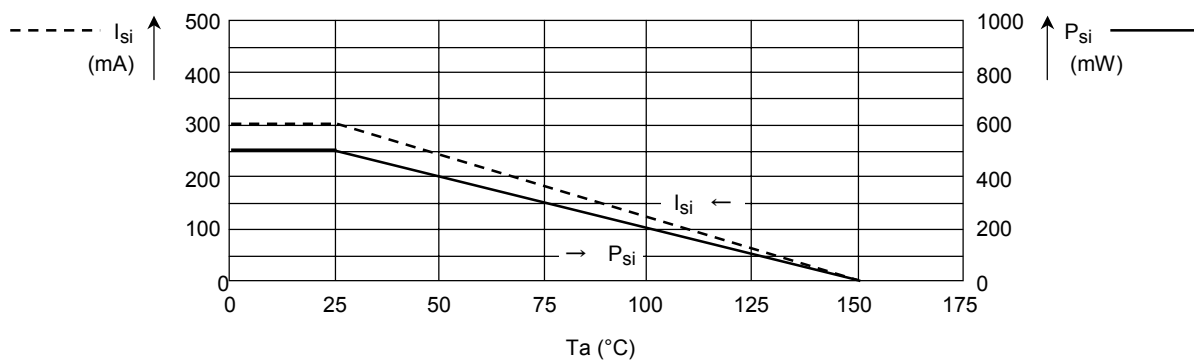


Figure 3 Dependency of maximum safety ratings on ambient temperature



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000707EBC

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