

1

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## TECHNICAL CHARACTERISTICS

## MATERIAL

INSULATOR MATERIAL: PET (WHITE)  
 SUPPORT TAPE: PET (BLUE)  
 CONTACT MATERIAL: COPPER  
 CONTACT PLATING: TIN  
 QUALITY CLASS: 20 MATING CYCLES MIN.  
 PITCH: 0.50 MM

## ENVIRONMENTAL

OPERATING TEMPERATURE: -30°C UP TO 105°C  
 HEAT RESISTANCE: 110°C x 96 HRS  
 FLAMMABILITY RATING UL SUB.758  
 MOISTURE RESISTANCE: 40°C, 95% RH x 96 HRS  
 COMPLIANCE: LEAD FREE AND ROHS

## ELECTRICAL

CURRENT RATING: 0.5A MAX  
 WORKING VOLTAGE: 60V  
 INSULATION RESISTANCE: >1000 MOHM/M (500 VDC)  
 DIELECTRIC STRENGTH: 500 VAC/MN NO BREAKDOWN  
 CONDUCTOR RESISTANCE: <1,40 OHM/M  
 CONTACT RESISTANCE: <20 mOHMS

## STANDARD

 CERTIFIED: E328849

## MECHANICAL

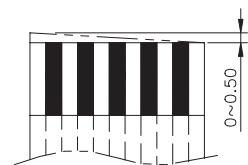
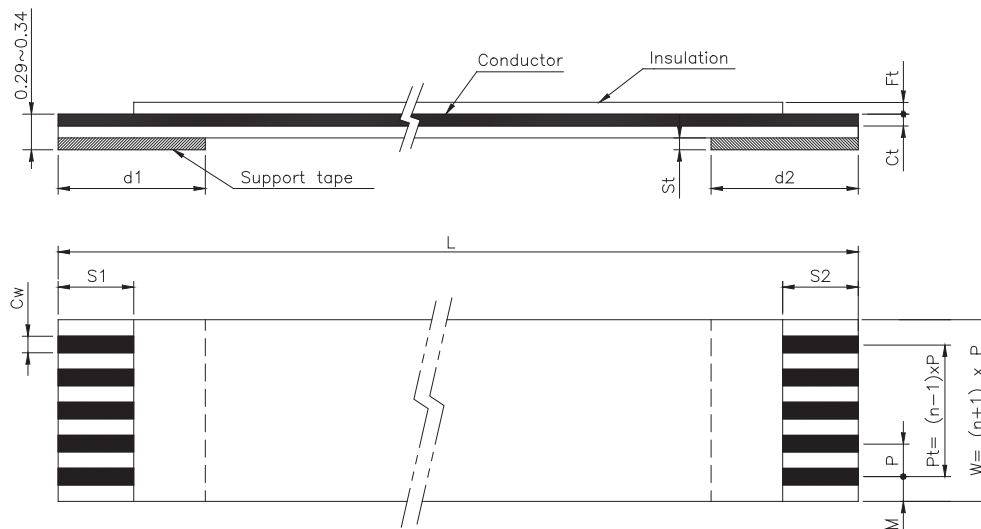
ELONGATION OF INSULATOR: >60 %  
 TENSILE STRENGTH OF INSULATION: >3.5KG/MM<sup>2</sup>  
 FLEXING TEST: 180° >20 TIMES  
 ABRASION: >10000 TIMES  
 PULL/OUT: >20 TIMES

## PACKAGING

BAG

## DIMENSION &amp; TOLERANCE

W = (N+1) x P  
 Pt = (N-1) x P



Tolerance of Cutting Tilt

## TOLERANCE:

Abbr.	TOLERANCE	
	P=0.5	P=1.0
P	±0.05	±0.08
Pt	±0.08	±0.10
W	±0.08	±0.10
M	±0.08	±0.12
Cw	±0.02	±0.03
L	(30~100)±3, (101~300)±5, (301~600)±10, (Length more than 601mm)±15mm	

No. of PIN	Dimension												
	P	Pt	L	W	M	Cw	Ct±0.01	S1±1.0	S2±1.0	d1±2.0	d2±2.0	Ft±0.01	St±0.01
XX .....	0.5	(XX - 1) x P	LLL .....	(XX + 1) x P	0.5	0.3	0.05	4.0	4.0	8.0	8.0	0.043	0.225

## RoHS Compliant

## PROJECTION:



## GENERAL TOLERANCE

.X =  $\pm$  / 0.2  
 .XX =  $\pm$  / 0.15



## APPROVAL: GMo

## UNIT: MM

## SCALE:

SHEET: 1/2

DRAW: CH

## DESCRIPTION: 0.50MM FLAT FLEXIBLE CABLE TYPE 1

XX NB OF PIN: ..... / LLL OVERALL LENGTH: ..... MM

WERI PART NO: 687 6 ..... 002

XX LLL

## SIZE

A4

1

2

3

4

5

## Cautions and Warnings:

This electronic component is designed and developed with the intention for use in general electronics equipments.

Before incorporating the components into any equipments in the field such as aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc. where higher safety and reliability are especially required or if there is possibility of direct damage or injury to human body, Würth Elektronik must be asked for a written approval.

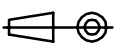

In addition, even electronic component in general electronic equipments, when used in electrical circuits that require high safety, reliability functions or performance, the sufficient reliability evaluation-check for the safety must be performed before by the user before usage.

A

B

C

RoHS Compliant

G				PROJECTION: 	GENERAL TOLERANCE .X = +/- 0.2 .XX = +/- 0.15		
F							
E							
D							
C				APPROVAL: JC	UNIT: MM	DESCRIPTION: DISCLAIMER	SIZE <b>A4</b>
B					SCALE:		
A	10-SEP-14	PDF	QL		SHEET: 2/2	WERI PART NO: DISCLAIMER	
REV	DATE	FILE	BY		DRAW: QL		

D

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