



Unit: mm; Tolerances:  $\pm 0.05$  mm  
Reference dimension for PCB layout

## HOW TO ORDER: ICC4296CDR

### TECHNICAL CHARACTERISTICS

#### 1. General Characteristics

Dimension: 14.20L x 16.30W x 1.90H mm  
Weight: Approx. 0.31 g

Contact principle: Friction technology  
Operating position: Shaft up / Down / Horizontal  
Mounting System: SMT Type (without post)  
Durability: 5,000 cycles min.

#### 2. Mechanical Characteristics

Insulation material: Thermoplastic, UL 94V-0  
RoHS Directive 2002/95/EC Compliant

#### 3. Electrical Characteristics

Number of contacts: 6 pins  
Contact resistance: 50 m $\Omega$  typical, 100 m $\Omega$  max.  
Insulation resistance: >1000 M $\Omega$  / 500 VDC

#### 4. Solderability

Wave: Not applicable  
IR reflow: 260°C, 10 sec. Max.  
Manual soldering: 360°C, 3 sec. Max.

#### 5. Environmental Characteristics

Operating temperature: -40°C ~ +85°C  
Operating humidity: 10% ~ 95% RH  
Storage temperature: -40°C ~ +85°C  
Storage humidity: 10% ~ 95% RH



MATRIX TECNOLOGIA IND. E COM. LTDA.

UNIT	SCALE	TITLE	DATE
mm		ICC4296CDR	MARCH 2010
TOLERANCE: $\pm 0.25$			APP. BY
		MATL	CHK. BY
		DWG. NO.	DR. BY FELIPE