

FUJITSU Component Touch Panels

FID-15x series

Fujitsu Custom Automotive Projected Capacitive Touch Panels

Overview

The projected capacitive touch panels (FID-15x series) feature a glass sensor with a top cover glass structure and are available in custom sizes up to nine inches. They feature 90% (typical) transparency, 10 simultaneous inputs and an operating life of 10 million taps. A Chip-on-Film (COF) controller IC requires minimal mounting space and provides I2C output.

Features

- Chip-on-Film (CoF) Flex Tail
- Android™ support*1
- I2C interfaces
- Custom Cover Glass option
- Strengthened Glass option
- Graphic Border / Logo option
- Custom Design product
- RoHS compliant



FID-15x series

■ Specifications (example)

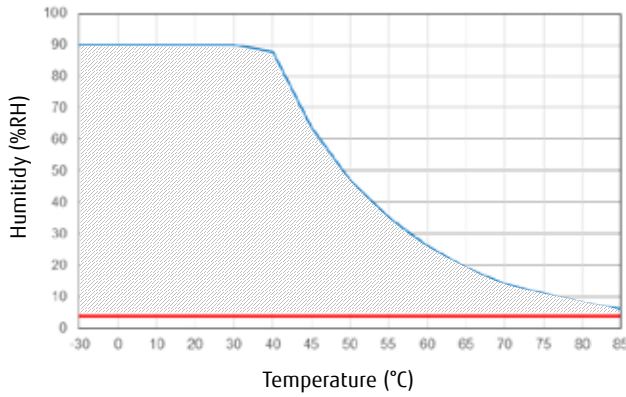
Item	Specifications	
Type	Projected Capacitive Touch Panel	
Input method	Finger (up to 10 simultaneous inputs)	
Panel size	Up to 9-inch	
Hardness	Min. 7H	
Construction	Glass sensor / cover glass	
Tapping life	Min. 10,000,000	
Position accuracy	Max. ±2mm	
Optical	Transparency	90% (typical), min. 85%
	Haze	1.0 % (typical), max. 3.0%
Electrical rated voltage	3.3VDC (typical)	
Consumption current*2	Active (1 point input): max. 15mA Active (10 simultaneous inputs): max. 17mA Standby: max. 17mA Sleep: max. 15µA	
Environmental conditions	Temperature	-30° to +85°C*3
	Humidity	5 to 90% RH *3

*1: Please contact us for other applications

*2: It may differ according to firmware adjustment

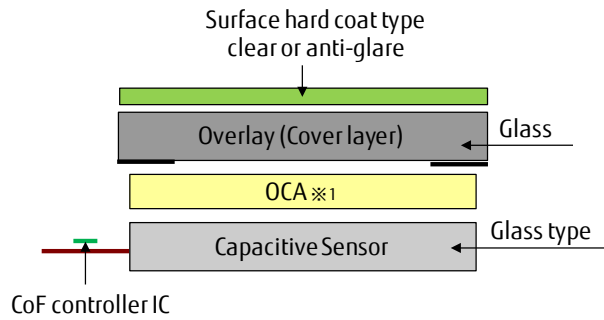
*3: Max. wet temperature is 38°C (without condensation). Please see 'Environmental Characteristics'

■ Environmental Characteristics



A wide range of temperature/humidity is guaranteed to address various environments and applications (general use only, no automotive applications).

■ Structure



Contact

Japan
 FUJITSU COMPONENT LIMITED
 Shinagawa Seaside Park Tower
 12-4, Higashi-shinagawa 4-chome,
 Tokyo 140-0002, Japan
 Tel: (81-3) 3450-1682
 Fax: (81-3) 3474-2382
 Email: fcl-contact@cs.jp.fujitsu.com
 Web: www.fcl.fujitsu.com

Europe
 FUJITSU COMPONENTS EUROPE B.V.
 Diamantlaan 25
 2132 WV Hoofddorp
 Netherlands
 Tel: (31-23) 5560910
 Fax: (31-23) 5560950
 Email: info@fceu.fujitsu.com
 Web: emea.fujitsu.com/components/

China
 FUJITSU ELECTRONIC COMPONENTS
 (SHANGHAI) CO., LTD.
 Unit 4306, InterContinental Center
 100 Yu Tong Road, Shanghai 200070, China
 Tel: (86 21) 3253 0998
 Fax: (86 21) 3253 0997
 Email: fcal@fcal.fujitsu.com
 www.fujitsu.com/sg/services/micro/components

Copyright
 All trademarks or registered trademarks are the property of their respective owners.
 Fujitsu Components America or its affiliates do not warrant that the content of datasheet is error free. In a continuing effort to improve our products Fujitsu Components America, Inc. or its affiliates reserve the right to change specifications/ datasheets without prior notice.
 Copyright ©2016 Fujitsu Components America, Inc. All rights reserved.
 Revised June 30 2016

North and South America
 FUJITSU COMPONENTS AMERICA, INC.
 2290 North First Street, Suite 212
 San Jose, CA 95131 U.S.A.
 Tel: (1-408) 745-4900
 Fax: (1-408) 745-4970
 Email: components@us.fujitsu.com
 Web: http://us.fujitsu.com/components/

Asia Pacific
 FUJITSU COMPONENTS ASIA, Ltd.
 102E Pasir Panjang Road
 #01-01 Citilink Warehouse Complex,
 Singapore 118529
 Tel: (65) 6375-8560 / Fax: (65) 6273-3021
 Email: fcal@fcal.fujitsu.com
 www.fujitsu.com/sg/services/micro/components

Hong Kong
 FUJITSU COMPONENTS HONG KONG Co., Ltd.
 Room 06, 28/F, Greenfield Tower, Concordia Plaza, No.1 Science Museum Road, Tsim Sha Tsui East, Kowloon, Hong Kong
 Tel: (852) 2881 8495 Fax: (852) 2894 9512
 Email: fcal@fcal.fujitsu.com
 www.fujitsu.com/sg/services/micro/components