

Pushpam

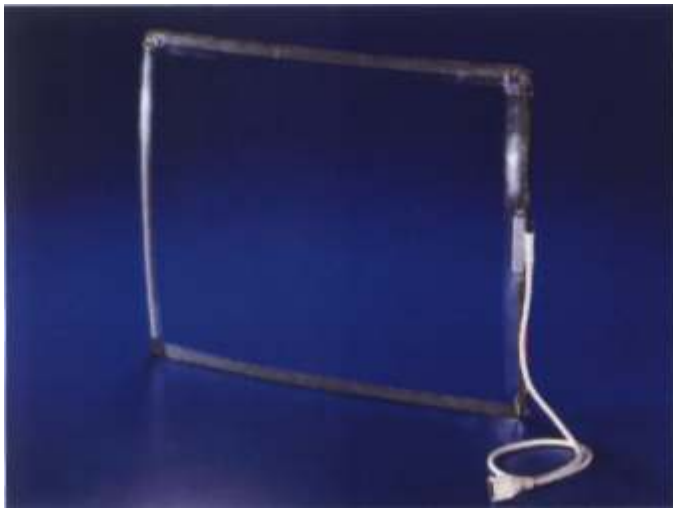
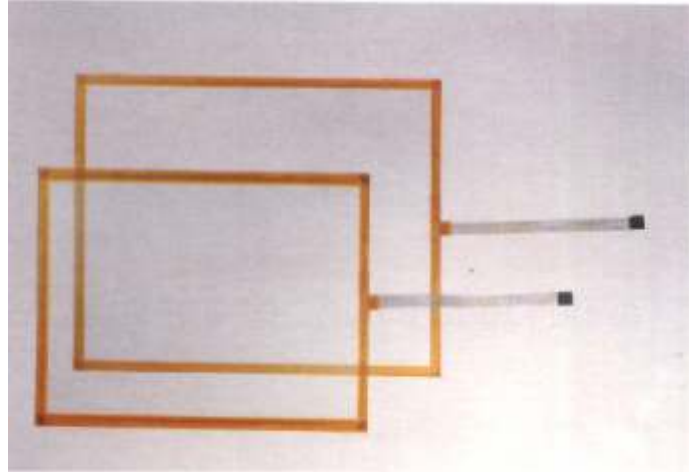
Expanding IT Horizon



PUSHPAM

Estd. 1990

Pushpam Geltouch - SAW Touch Screen



Tough...touch...feel

Pushpam Geltouch-SAW (Surface Acoustic Wave) Specifications

Pushpam Geltouch Surface Acoustic Wave (SAW) touch screen are incomparable for clarity and reliability, mainly feature pure-glass for durable scratch-resistant surface, superior image clarity, resolution and light transmission. In addition, they are sensitive and fast on response, accurate touch position performance. Popular applications mainly include medical, point-of-information, outdoor multimedia marketing, and banking.

Features

Input Method: Finger or gloved Hand (cloth, leather or rubber) activation
Connector : Cable

Environmental Conditions

Operation Temperature: -20 to 50 Degree Celsius *
Operation Humidity: 20%RH to 85 relative humidity, noncondensing
Storage Temperature: -40 to 70 Degree Celsius *
Storage Humidity: 10% RH to 90% relative humidity, noncondensing

Note: * The environment is under normal atmosphere pressure. Testing in an atmosphere maintained at 23 +/- 2 Degree Celsius and 5% +/- RH

Optical Characteristics

Light Transmission: >= 90%. Conditions accordance with ASTM D 1003
Gloss 90 +/- 20 gloss units tested on a hard coated front surface. Conditions accordance with ASTM D 2457

Electrical Characteristics

Supply voltage: DC 5V
Response: <= 16 ms (input by finger)
Endurance: Scratch free

Mechanical Characteristics

Touch activation force: Typically 55~85 grams (Finger or gloved hand)
Ball impact: 13.0 DIA. Steel Ball/9g Height = 30 cm (1 time, no damage, impact at center area)
Surface Durability: Mohs' hardness rating of rate 7H (Surface durability is that of glass)
Resolution: Based o controller resolution of 4096 x 4096 (Plus 255 levels corresponding to touch pressure)

Reliability

Constant Temperature: 40 Degree Celsius
Humidity : 90% RH, 240 hrs.
Heat Cycle: 70 Degree Celsius/ 240 hrs.
Cold Cycle: - 40 Degree Celsius/ 240 hrs.
Thermal Cycle: -40 to 70 Degree Celsius [60 min./cycle] x 10 cycles

Durability:

Expected Life Performance: Operation tested to greater than 50 million touches in one location without failure, with a stylus similar to a finger

Positional Accuracy

Positional Accuracy: Standard deviation of error is less than 2 mm

Chemical Resistance

Industrial Chemicals: Acetone, Methylene chloride, Methyleneethyl ketone, Isopropyl alcohol, Hexane, Turpentine, Mineral spirits, Unleaded Gasoline, Diesel Fuel, Motor Oil, Transmission Fluid, Antifreeze

Food Service Chemicals

Amonia based glass cleaner, Laundry Detergents, Vinegar, Cofee, Tea, Grease, Cooking Oil, Salt

Curve Touch Screen for CRT Display

Compatible Display	Active Area	View Area O. D.	Flat Touch Screen for LCD Display	Compatible Display	Active Area	View Area O. D.
15" CRT Monitor 280*211 mm	292*218 mm	316*250 mm	15" LCD Display 306*230 mm	317*236 mm	345*263 mm	
17" CRT Monitor 320*242 mm	330*250 mm	364*284 mm	17" LCD Display 340*274 mm	344*278 mm	380*305 mm	
19" CRT Monitor 364*273 mm	372*282 mm	405*316 mm	18.1" LCD Display 360*288 mm	368*296 mm	402*333 mm	

Flat Touch Screen for CRT Display

17" CRT Monitor 320*240 mm	335*246 mm	364*282 mm
19" CRT Monitor 359*269 mm	370*280 mm	399*312 mm
21" CRT Monitor 396*300 mm	409*306 mm	442*342 mm

Pushpam Group of Companies

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Pushpam a 15 year old group is working in the various fields of Information Technology . Software development, Gas distribution, Computer hardware imports/ distribution , manufacturing of ayurvedic medicines, food processing and export etc. Working in cutting edge technology products, Pushpam always aggressive and efficient towards all the projects. In IT sector Pushpam is active since last 14 years and is currently working on technologies like Information Kiosk / Transaction Kiosk /Touch screens, POS products like Thermal printers, barcode scanners, Customer display, complete POS systems and Multi port serial card solutions. Pushpam is already in to imports of all these products from Taiwan and other parts of the world and offers the complete solution and best support for all these products. Pushpam has always believed in the best product and best support at the best price.

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