

## Typical Application

### ESD Series Suggestion

Device Description	Data Rate & Frequency	Rise Time	Capacitance
HDMI	1.65G bps	< 75 pS	< 1 pF
USB 2.0 Data Port	480M bps	0.5~ 0.6 nS	< 4 pF
USB 131 Data Port	12M bps	4 ~ 20 nS	5 ~ 56 pF
Wireless Device	1.5M bps	75 ~ 300 nS	5 ~ 56 pF
RS232、IrDA1.0	115.2K	1uS ~ 8 uS	10 ~ 100 pF
Audio (Microphone/Speaker)	20-20K Hz	0.05mS ~ 50mS	10 ~ 100 pF

#### ESD Series application field:

- Mobile phone
- Digital Camera
- PDA
- Notebook
- MP3 player
- I/O Port, Keypad for protable
- LCD Module
- HUB
- Telecom
- Wireless Lan
- Keyboard

#### ML Series application field:

- Telecommunication
- Security systems
- Alarm systems
- Medical device and equipment
- Lighting
- AC line protection
- Automotive system
- Controller
- Sensor
- Data systems
- Power supplier
- IC, Semiconductor

#### Low Capacitance Series application:

##### Typical application

- ◆ High data rate interface (HDMI/USB2.0/1394)
- ◆ Wireless LAN
- ◆ Computer I/O port
- ◆ Cell phone
- ◆ PDA
- ◆ USB/1394 interface
- ◆ Digital Camera
- ◆ GPS
- ◆ Antenna system
- ◆ STB
- ◆ LCD TV
- ◆ Projector