



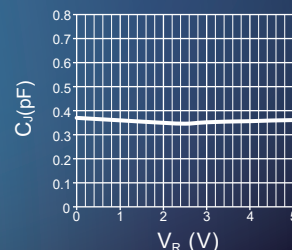
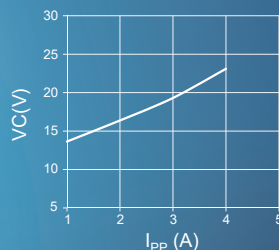
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# ESD / EOS Device

## ETOP35P4F2 Comparison Chart



DFN0603-2L



### Application

- Smart Phone
- Laptop
- Wearable
- LCD TV
- USB 2.0/3.2 Gen 1, Gen 2
- PCI Express
- HDMI 1.3/1.4/2.0
- DVI
- MHL
- LVDS Interfaces
- FM Antenna
- SATA and eSATA
- IEEE 1394
- Portable Electronics
- Notebooks

DFN0603	Unit	ETOP35P4F2	S Brand	W Brand
ESD (Contact)	kV	★★★★★ ±25	★★★★☆ ±17	★★★★☆ ±20
ESD (Air)	kV	★★★★★ ±25	★★★★★ ±25	★★★★☆ ±20
Capacitance@V <sub>R</sub> = 0V	pF	★★★★★ 0.25@1MHz (Typ.)	★★★★☆ 0.35@1MHz (Typ.)	★★★★★ 0.25@1MHz (Typ.)
I <sub>PP</sub> (8/20μs)	A	★★★★★ 5.5	★★★★☆ 4	★★★★☆ 4
V <sub>BR</sub> @1mA	V	6 ~ 9	6 ~ 11	7.5 ~ 10
V <sub>RWM</sub>	V	<5.5	<5	<5
I <sub>R</sub>	nA	★★★★★ 30@V <sub>R</sub> =5V (Max.)	★★★★☆ 100@V <sub>R</sub> =5V (Max.)	★★★★☆ 100@V <sub>R</sub> =5V (Max.)
V <sub>C</sub> @I <sub>PP</sub> = 1A 8/20μs	V	12 (Typ.)	15 (Max.)	14 (Max.)
V <sub>C</sub> @I <sub>PP</sub> = 4A 8/20μs	V	21 (Typ.)	25 (Max.)	21 (Max.)



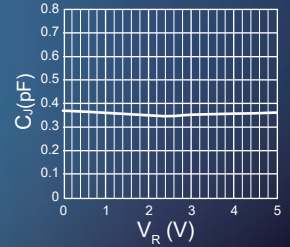
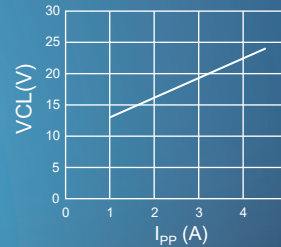
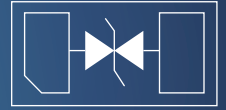
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# ESD / EOS Device

## ETOP4005F7 Comparison Chart



DFN1006-2L



### Application

- Smart Phone
- Laptop
- Wearable
- LCD TV
- USB 2.0/3.0/3.1
- PCI Express
- HDMI 1.3/1.4/2.0
- DVI
- V-By-One
- Display Port
- MHL / MDDI
- LVDS Interfaces
- SATA and eSATA
- Antenna applications
- Hand Held Portable Applications
- Desktop and Notebooks PCs
- Consumer Applications
- IEEE 1394
- Portable Electronics
- Notebooks

DFN1006	Unit	ETOP4005F7	S Brand	A Brand	W Brand
ESD (Contact)	kV	★★★★★ ±25	★★★★☆ ±17	★★★★☆ ±8	★★★★☆ ±20
ESD (Air)	kV	★★★★★ ±25	★★★★☆ ±17	★★★★☆ ±15	★★★★☆ ±20
Capacitance@VR= 0V	pF	★★★★★ 0.25@1MHz (Typ.)	★★★★★ 0.25@1MHz (Typ.)	★★★★☆ 0.5@1MHz (Typ.)	★★★★★ 0.25@1MHz (Typ.)
IPP (8/20μs)	A	★★★★★ 5.5	★★★★☆ 3	-	★★★★☆ 4
VR@1mA	V	6 ~ 9	6 ~ 11	7 ~ 10.5	7.5 ~ 10
VRWM	V	<5.5	<5	<5	<5
IR	nA	★★★★★ 5@VR=5V (Typ.)	★★★★☆ 100@VR=5V (Max.)	★★★★☆ 1000@VR=5V (Max.)	★★★★☆ 100@VR=5V (Max.)
VC@IPP= 1A 8/20μs	V	12 (Typ.)	15 (Max.)	-	13 (Max.)
VC@IPP= 4.5A	V	23@4.5A (Max.)	20@3A (Max.)	-	18@4A (Max.)