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Power Solutions from ON Semiconductor

Datacom Protection Devices



Protection devices for a multitude of datacom applications including Coax, USB, Ethernet, DSL and more.



Application	ON Part Number	Description
USB Protection	NUP2301	Low cap. diode array for 2 Line High Speed USB protection device
USB Protection	NUP4201, NUP4202	4 Line + VBUS diode array
USB Protection	NUP2201, NUP2202	2 Line + VBUS diode array
USB Protection	NUP4301, NUP4304	Low cap. diode array for 4 Line High Speed USB protection device
USB Protection	SL05T1	1 Line + VBUS diode array
USB Protection	NUP1301	1 Line High Speed USB Protection Device
USB Protection	LC03-6R2	2 Line + VBUS diode array
USB Protection	SRDA05-4R2	4 Line + VBUS diode array
USB Transceiver	NCN2500	Single Channel USB Transceiver
USB Filter	NUF2060	USB OTG (On-The-Go) Filter Device
USB Filter	STF202-22	Upstream USB Filter Device
USB Filter	NUF2221	Upstream USB Filter Device
USB Filter	NUF2015	Upstream USB Filter Device
USB Filter	NUF2101	Downstream USB Filter Device
USB Filter	NUF2030	Upstream/Downstream Filter Device
USB Filter	NUF2042	Upstream/Downstream Filter Device
Line Protection, Splitter Protection	NP3100SCT3G	Thyristor Surge Protection Device (TSPD)
T1/E1 Protection	NP0640SBT3G	Thyristor Surge Protection Device (TSPD)
ADSL	NPXXXXSX3G	Thyristor Surge Protection Device (TSPD)
Customer Premise Equipment	NPXXXXSX3G	Thyristor Surge Protection Device (TSPD)
Line Protection, DSL Protection	1SMAXCA	Avalanche TVS Diode
Cable Protection	SM05, SM12	Avalanche TVS Diode
Cable Protection	SD05, SD12	Avalanche TVS Diode
Line Interface	NCS2500	High Speed Current Feedback Op Amp
Ethernet Protection, T1/E1 Protection	NUP4201, NUP4202	4 Line + VBUS diode array
Transient Protection	NUS2045	Overvoltage Protection IC with Integrated 20 V P-Ch Power MOSFET
Transient Protection	NUS3045	Overvoltage Protection IC with Integrated 30 V P-Ch Power MOSFET
Transient Protection	NCP345	Overvoltage Protection IC
Transient Protection	NCP346	Overvoltage Protection IC
Transient Protection	MC3423	Overvoltage Crowbar Sensing Circuit
Voltage Sensing	MC33161	Universal Voltage Monitor
Hot Swap Controller	NIS510X	SMART HotPlug™ IC/Inrush Limiter
Hot Swap Controller	NIS5131	SMART HotPlug™ IC/Inrush Limiter (2Q06)
Power Good/Level Shifter	NUD3048	High Voltage FET Switch

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