

## Product Overview

### NUF2042XV6: EMI Filter, Upstream Terminator with ESD Protection

For complete documentation, see the data sheet.

These devices are designed for applications requiring Line Termination, EMI Filtering and ESD Protection. They are intended for use in upstream USB ports, cellular phones, wireless equipment and computer applications. These devices offer an integrated solution in a small package (SOT-563) reducing PCB space and cost.

### Features

- Provides USB Line Termination, Filtering and ESD Protection
- Single IC Offers Cost Savings
- Bidirectional EMI Filtering Prevents Noise from Entering/Leaving the System
- Compliance with IEC61000-4-2 (Level 4), 8 kV (Contact) and 15 kV (Air)
- ESD Ratings: Machine Model=C and Human Body Model=3B
- These are Pb-Free devices

### Applications

- USB Hubs

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Interface	Number of Lines	Filter Type	R Typ ( $\Omega$ )	C Typ (pF)	$I_R$ Max ( $\mu$ A)	$V_{(BR)}$ Typ (V)	$V_{RWM}$ Max (V)	Package Type
NUF2042XV6T1G	0.0981	Pb-free Halide free non AEC-Q and PPAP	Active	General I/O	3	R-C	22	42	0.01	6.8	5.25	SOT-563

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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