



English



PCF7900VHN_PL_1

Fractional-N-PLL based UHF Transmitter for ISM-band

Product description

Highly integrated UHF Transmitter IC, which allows flexible system design and low bill of materials covering 315, 434, 868 and 915 MHz

Features

- Single-chip Fractional-N PLL Transmitter IC for 315/434/869/915 MHz (ISM/SRD bands)
- Multi channel capability
- Programmable OOK / ASK / FSK modulation properties
- Programmable Transmit Output Power
- Low power operation, 7 mA for transmission at 6 dBm
- Independent Power Down modes for oscillator and PLL, 50nA
- Very low external component count
- On chip VCO and PLL Loop Filter
- Very small HVQFN16 package (3mm x 3mm), optional TSSOP16 package

Applications

Remote Keyless Entry (RKE), Passive keyless Entry (PKE), Tire Pressure Monitoring (TPMS), Garage Door Opener, Remote Control and more

All information on this product information page is subject to the subsequent disclaimers:

- General product disclaimer
- Quality and reliability disclaimer

Products / Packages

Type number	Orderable part number	Ordering code (12NC)	Product status	Package	Packing	Marking	ECCN
PCF7900VHN/C0L	PCF7900VHN/C0L,118	9352 913 58118	Volume production	SOT758-1 (HVQFN16)	Reel Pack, SMD, 13"	Standard Marking	
PCF7900VHN/C0L	PCF7900VHN/C0L,112	9352 913 58112	Volume production	SOT758-1 (HVQFN16)	Tube	Standard Marking	

The variants in the table below are discontinued. See the table Discontinuation information at the bottom of this page for more information.

Type number	Orderable part number	Ordering code (12NC)	Product status	Package	Packing	Marking	ECCN
PCF7900VHN/C0I	PCF7900VHN/C0I,118	9352 822 69118	Discontinued Replacement product	SOT758-1 (HVQFN16)	Reel Pack, SMD, 13"	Standard Marking	

Discontinuation information

Type number	Ordering code (12NC)	Last-time buy date	Last-time delivery date	Replacement product	DN Notice	Status	Comments
PCF7900VHN/C0I	935282269118	30-Sep-11	31-Dec-11	See Comments	DN 67	<ul style="list-style-type: none"> ■ Sole source product ■ Standard availability 	Standard End Of Life. Refer to PCN 201003010.

Quality, reliability & chemical content

Type number	Orderable part number	Chemical content	RoHS	Leadfree conversion date	RHF	IFR (FIT)	MTBF (hours)	MSL	MSL LF
PCF7900VHN/C0L	PCF7900VHN/C0L,118	PCF7900VHN/C0L		Always Pb-free				1	1
PCF7900VHN/C0L	PCF7900VHN/C0L,112	PCF7900VHN/C0L		Always Pb-free				1	1

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Documentation for this product

[Download all documentation \(zip\)](#)

Type	Format	Title	Date
Selection guide	pdf	NXP's RF Manual 15th edition Simplified Chinese (v.1.0)	2011-08-05
Selection guide	pdf	NXP's RF Manual 15th edition Japanese (v.1.0)	2011-08-05

Ordering & availability

Type number	Ordering code(12NC)	Orderable part number	Region	Distributor	In stock	Order quantity	Inventory date	Buy online	Samples
PCF7900VHN/C0L	9352 913 58118	PCF7900VHN/C0L.118							
PCF7900VHN/C0L	9352 913 58112	PCF7900VHN/C0L.112							not available

Sample

Sample orders normally take 2-4 days for delivery.

If you do not have a direct account with NXP our network of global and regional distributors is available and equipped to support you with NXP samples. As a NXP customer you also have the option to order samples via our sales organisation.

Technical support

Do you want to ask technical questions to an NXP expert?

Please select one of the following options:

- [Use our e-mail form to ask a question](#)
- [Find answers in our technical support site.](#)