



Datasheet

Datasheet confidential

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Low IF alignment free analog car radio tuner ICs

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All information hereunder is subject to the subsequent disclaimers

General description

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Our TEF660x ICs are one of the market's first alignment-free, low-IF tuners that can be designed directly onto the main board without in-depth RF know-how. That lets you to reduce component and design costs, and board space. The family is further extended by the TEF661x offering integrated RDS function.

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Features and benefits

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- Supports all major AM and FM global radio standards
- PLL synthesizer with integrated VCO
- PACS (variable IF bandwidth function) (except TEF6601 )
- Stereo decoder
- Advanced weak signal processing (soft mute, HCC, SNC)
- AM / FM noise blanker (TEF6601 - FM noise blanker only)
- Signal quality detection
- RDS demodulator and / or decoder (TEF661x only)
- All parts are Automotive

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Applications

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- Car entertainment systems
- Multi-tuner car radios
- Single-tuner car radios
- Car audio systems
- Home entertainment systems

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Pricing/ordering/availability

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Type number	Ordering code(12NC)	Orderable part number	Region	Distributor	In stock	Order quantity	Inventory date	Buy online	Samples
TEF6616T/V1	9352 881 65512	TEF6616T/V1,512							not available
TEF6616T/V1	9352 881 65518	TEF6616T/V1,518	NA	MOUSER ELECTRONICS	160		8/20/2011	Buy online	Order samples
			NA	MOUSER ELECTRONICS	160		8/20/2011	Buy online	

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Products/packages

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Type number	Orderable part number	Ordering code (12NC)	Product status	Package	Packing	Marking	ECCN
TEF6616T/V1	TEF6616T/V1,512	9352 881 65512	Volume production	SOT287-1 (SO32)	Tube Dry Pack	Standard Marking	
TEF6616T/V1	TEF6616T/V1,518	9352 881 65518	Volume production	SOT287-1 (SO32)	Reel Dry Pack, SMD, 13"	Standard Marking	

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Quality/reliability/chemical content

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Type number	Orderable part number	Chemical content	RoHS	Leadfree conversion date	RHF	IFR (FIT)	MTBF (hours)	MSL	MSL LF
TEF6616T/V1	TEF6616T/V1,512	TEF6616T/V1		Always Pb-free				3	3

TEF6616T/V1	TEF6616T/V1,518	TEF6616T/V1	<div><div>EU/CN RoHS COMPLIANT</div><div></div></div> <div><div>Pb</div><div></div></div>	Always Pb-free	<div><div>G</div><div></div></div>			3	3
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Quality and reliability disclaimer

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Design support

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Support Links

 A family for all your analog radio reception needs; NXP low-IF analog car radio tuner family TEF66xx

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Print/email

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Disclaimers

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[General product disclaimer](#)  
[Quality and reliability disclaimer](#)