



# GROOVE TUBES

HEAR THE DIFFERENCE™



PRICES EFFECTIVE JULY 1, 2012

ATTENTION, SOFTEN  
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## About Groove Tubes®

For over 30 years, Groove Tubes have been trusted and demanded by touring professionals and their techs around the world. Groove Tubes started in southern California, and through innovative design, rigorous selection and testing, GT-powered amps have rocked the world in some of the most famous rigs ever played from studio to stage. Combining our passion for music with the science of sound, the Groove Tubes team still employs the same testing, grading and matching disciplines that continue to deliver flawless performance every time.

## How We Get That Groove Tubes Sound

Guitarists both yesterday and today can be linked by one piece of equipment: The tube amp. With all the strides in transistor amp technology, guitarists still prefer tube amps. Why do tube amp designs sound and feel differently from solid-state? Simply, tubes work differently.

**What is a Tube?** A tube is an electronic device consisting of a minimum of four active elements: a heater (filament), a cathode, a grid and a plate. All sealed in a vacuum glass enclosure to prevent parts from burning. Once heated, the cathode begins to emit electrons, which flow from the cathode (which is negatively charged) toward the plate (which is positively charged). The grid's purpose is to control this flow, in effect, acting as a valve.

**How do Tubes Work?** When the guitar's pickup produces a small voltage (the result of the string vibrating in the pickup's magnetic field), this signal is applied to the grid, which causes a large current flow from the cathode to the plate.

Because of this, a correspondingly large voltage now appears at the plate. A portion of the amp's electronic circuitry, the grid bias control, adjusts the proper voltage setting of the grid. When the grid bias is properly set, the tube is balanced to the circuit, and therefore produces a clean, powerful signal. The plate is connected to an output transformer, which matches the impedance to that of the speaker.

**How do Tubes Distort?** As the signal emitting from the plate approaches its maximum potential, the tube gradually begins to react less and less to the original input signal. This results in a type of compression of the signal, and the signal becomes cut off or "clipped." Tube distortion ("clipping") occurs gradually, producing low order distortion which compliments the original signal, creating a warm sound. This is also why it's easy to move between clean and distorted tones.

## The Groove Tubes Warranty

### Preamp tubes

Warranted to be free of burn out, excessive noise or microphonics for 180 day from date of purchase.

### Power tubes

Warranted to be free of burn out for 90 days from date of purchase. If one tube fails, the whole set will be replaced to insure proper matching.






# STOCK GROOVE TUBES

Orange highlighted entries are GT exclusive models

These tubes are generally in stock and are available for immediate shipment. They meet all specifications for Groove Tubes performance, will enhance the performance of most tube amplifiers available today and will also bring out the best performance in vintage tube amps. These are the most commonly used tubes; please see the last page of the pricelist for information on special-order tubes and other available items.

## Preamp Tubes





These pass every Groove Tubes premium certification for microphonics, hum, physical characteristics and function. Quite simply the best 9-pin triode preamp tubes you can buy — specifically designed and tested for musical instrument amplification and standard equipment on Fender® amps. Outstanding and consistent performance for mixing and matching to get a signature tone from your amp.

PRODUCT	DESCRIPTION	STOCK NUMBER	MSRP
 <p>GT-12AX7-C</p>	Great chiming tone with sweet, warm midrange excellent for Marshall® and Fender® amps. Smooth distortion characteristics and one of the highest-output preamp tubes in the GT 12AX7 line, with very consistent quality.	555-0112-398	\$24.99
 <p>GT-12AX7-M</p>	<b>EXCLUSIVE GT</b> model. An exact reproduction of the acclaimed Mullard ECC83 design, which was the tube found in most high-quality musical instrument and hi-fi amplifiers of the '50s, '60s and '70s. This tube has a complex mica design using four insulators that shock-mount the cathode to enhance stability and sound quality. Excellent all-around sonic character that adds vintage clarity and feel to any modern amp — a slightly rounder, deeper and all-around warmer tone with clarity. A lower-gain 12AX7 tube, it is a highly musical, harmonically rich and an excellent performer.	555-0112-397	\$24.99
 <p>GT-12AX7-R</p>	The most widely used design in new amplifiers today. Extremely rugged, consistent and forgiving, it's a great all-around replacement given its inherently darker tone and relatively low gain. Can be slightly harsh when overdriven, but its warmth makes it a good choice for higher-gain and brighter amps and for keeping unwanted feedback and over-the-top overdrive under control.	555-0113-208	\$24.99








## Preamp Tubes

PRODUCT	DESCRIPTION	STOCK NUMBER	MSRP
GT-12AX7-R2 	Longer-plate-structure version of the standard "R" series tube, which produces brighter tone. Larger plate makes this tube slightly more prone to microphonic issues when used with high-gain amps. Suggested for use in darker amps to brighten tone. Very live and responsive, with good clarity.	555-0112-396	\$24.99
GT-12AX7-R3 	The highest-gain output tube in the "R" series, this tube is similar to the R2 and has similar output, but with a shorter plate, higher gain, and a more consistent quality variance score. An extremely consistent tube useful in most applications.	555-0113-209	\$24.99
GT-12AT7 (ECC81) 	Durable phase splitter or driver tube. Excellent in vibrato or reverb circuits where consistent, high output power is desired.	555-0112-400	\$24.99
GT-12AU7 	Our lowest-gain preamp tube. Can sub for a 12AX7 to lower gain and produce a very creamy, warm tone. Great for harp or blues when softer, more compressed distortion at lower volumes is desired. Very low gain and very mellow output.	555-0112-399	\$24.99




### Preamp Tubes

PRODUCT	DESCRIPTION	STOCK NUMBER	MSRP
<b>GT-12AY7</b> 	Low-gain tube used in very early Fender® amps. Can sub for a 12AX7 to lower gain and produce a slightly warmer tone. Great for harp or blues where softer, more compressed distortion at lower volumes is desired. Medium/soft gain.	555-0112-395	\$24.99
<b>GT-ECC83-S</b> 	Our highest-gain preamp tube, this tube has a huge amount of gain, with terrific output that makes it a great choice for driving modern, complex high-gain circuits. It has a relatively high quality variance (making Groove Tubes pre-testing procedures especially important in this case), with a tight, strong and relatively bright tone that can really liven up a weak or tired old vintage amp or a new amp with grade-quality tubes.	555-0112-391	\$24.99
<b>GT-5751-M</b> 	<b>EXCLUSIVE GT</b> model. This is very similar to the 12AX7M, but with lower gain and output. Probably the most forgiving tube in the preamp series, it's an excellent replacement for stock tubes that sound too harsh. It's also a great upgrade for any high-gain amp, for improved definition and stability (less squealing). Especially recommended for Hot Rod Deluxe™ and similar Fender® and Marshall® high-gain modern amplifiers.	555-0112-394	\$24.99

### Rectifier/Specialty




These pass every Groove Tubes premium certification for microphonics, hum, noise floor, physical operation and characteristics. Includes rectifier tubes, phase inverters and specialty kits specifically designed and tested for musical instrument amplification applications as noted.

PRODUCT	DESCRIPTION	STOCK NUMBER	MSRP
<b>GT-5AR4-R</b> 	Our highest-output rectifier tube. Originally used in early higher-powered Fender® amps (40 watts or more) with tube rectifiers; also used in the Vox® AC30.	555-0113-960	\$34.99


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## Rectifier/Specialty





PRODUCT	DESCRIPTION	STOCK NUMBER	MSRP
<b>GT-5U4</b> 	Medium-output rectifier tube originally used in early medium-power Fender® amps with tube rectifiers.	555-0112-401	\$34.99
<b>GT-5Y3</b> 	Low-output rectifier tube originally used in early low-power Fender® amps with tube rectifiers (Champ®, Princeton® and Deluxe). May also substitute for a 5AR4 or 5U4 for lower output levels.	555-0114-302	\$34.99
<b>GT-6CA4</b> 	The lowest-output rectifier tube in the GT line; commonly used during the '60s in student and practice amplifiers.	555-0112-402	\$34.99

## Special Applications Group – High Performance Exclusive GT Testing, Matching, Grading

PRODUCT	DESCRIPTION	STOCK NUMBER	MSRP
<b>SAG-AT7-MPI</b> 	Selected and matched for critical audio and guitar/bass amplifier use, where a match of the two sides of the triode are desired for phase inverter or driver use.	555-0114-091	\$29.99



**Special Applications Group – High Performance Exclusive GT Testing, Matching, Grading**

PRODUCT	DESCRIPTION	STOCK NUMBER	MSRP
<p><b>SAG-AX7-MPI</b></p> 	<p>Selected and matched for critical audio and guitar/ bass amplifier use, where a match of the two sides of the triode are desired for phase inverter or driver use.</p>	555-0114-092	\$29.99
<p><b>Fender® Hi Gain Kit SAG-FHG</b></p> 	<p>Two selected high-gain ECC83 tubes optimized for the preamp stage of Fender® amplifiers that use a dual triode in the first gain stage. Includes two preamp tubes and one GT12AT7 - MPI matched phase inverter.</p>	555-0114-099	\$99.99
<p><b>Fender® Soft Touch Kit SAG-FST</b></p> 	<p>Two selected lower-gain, slow rise time 12AX7 tubes optimized for the preamp stage of Fender® amplifiers that use a dual triode in the first gain stage. Includes two preamp tubes and one GT12AT7 - MPI matched phase inverter.</p>	555-0114-100	\$99.99
<p><b>Marshall® Hi Gain Kit SAG-MHG</b></p> 	<p>Two selected high gain ECC83 tubes optimized for the preamp stage of Marshall® amplifiers which use a dual triode in the first gain stage. Includes two preamp tubes and one GT12AX7 - MPI matched phase inverter.</p>	555-0114-101	\$99.99






## Power Tubes

These pass every Groove Tubes premium certification for microphonics, hum, noise floor, physical operation and performance characteristics. We also analyze and match the gain-to-distortion ratio on a dynamic basis, assuring a powerful, singing tone that is rich in harmonics and balanced for longer sustain, wider frequency response and a more musical amplification experience. Quite simply the best 8-pin pentode tubes you can buy that are specifically designed and tested for musical instrument amplification. Sold as single tubes, matched duets, quartets and sextets. Standard equipment on Fender® tube amps.

Our power tubes are matched and rated in low, medium and high output levels. Most amp manufacturers bias their amps for tubes in the "medium" range, and replacement of stock tubes frequently do not require re-biasing if "mediums" are purchased. For softer feel, quicker distortion and creamier tone, we suggest "lows"; for more dynamic headroom and tighter, quicker and harder overall response, we suggest "highs". Lows and highs are more likely to require re-biasing by a qualified service technician to meet your performance preferences.

### 6V6

The 6V6 is a low-output power tube (12-18 watts) often used in Fender® amplifiers, including the Champ®, Deluxe™, Dual Professional, Vibro-King®, Princeton®, Vibrolux® and others. It has a very warm, round and soft response with rich harmonics, and distorts easily. One of the best choices ever produced for rehearsal and recording amplifiers. Available as singles, pairs and quartets; stocked in "medium" power ratings. Also available by special order with "low" and "high" power ratings (please contact customer service for these).

PRODUCT	DESCRIPTION	STOCK NUMBER	MSRP
<b>GT-6V6-C</b> 	Classic design and the most affordable choice in the GT 6V6 line. Warm overdrive and soft distortion character.		
	Single 6V6 tube in "medium" power range.	<b>555-0113-678</b>	<b>\$24.99</b>
	Matched pair of 6V6 tubes in "Medium" power range	<b>555-0113-527</b>	<b>\$49.99</b>
	Matched quartet of 6V6 tubes in "medium" power range.	<b>555-0113-530</b>	<b>\$99.99</b>
<b>GT-6V6-R</b> 	Solid, predictable performance, the most used widely used tube design in stock amplifiers from major manufacturers in the 6V6 line.		
	Single 6V6 tube in "medium" power range.	<b>555-0113-686</b>	<b>\$29.99</b>
	Matched pair of 6V6 tubes in "Medium" power range	<b>555-0113-533</b>	<b>\$59.99</b>
	Matched quartet of 6V6 tubes in "medium" power range.	<b>555-0113-536</b>	<b>\$119.99</b>
<b>GT-6V6-S</b> 	Our most premium design, for long life and professional performance. The choice for many pro players who use Groove Tubes in their favorite amps for recording and rehearsal; fully captures the spirit and sound of tube amps from the '50s and '60s to the present.		
	Single 6V6 tube in "medium" power range.	<b>555-0113-691</b>	<b>\$34.99</b>
	Matched pair of 6V6 tubes in "Medium" power range	<b>555-0113-539</b>	<b>\$69.99</b>
	Matched quartet of 6V6 tubes in "medium" power range.	<b>555-0113-542</b>	<b>\$139.99</b>

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## Power Tubes


### 6L6

A medium-output power tube (generally 20-25 watts) often used in Fender® professional amplifiers including the Bassman®, Bandmaster®, Concert, Dual Showman®, Hot Rod Series, Pro Series, Super Reverb®, Tremolux™, Twin, Vibrolux®, Super-Sonic™, Blues Deluxe™, Blues DeVille™ and others. Available in many variations, its response is round, with a pronounced midrange character; strident and chesty with a super-bright and clean, powerful punch. Perhaps the most recognized signature tone for U.S. guitar music of all styles from the '60s onward. Stocked in "medium" power ratings; also available as special orders with "low" and "high" power ratings (please contact customer service for these). Available as singles, duets, quartets and sextets.

PRODUCT	DESCRIPTION	STOCK NUMBER	MSRP
<b>GT-6L6-CHP</b> 	<b>EXCLUSIVE GT design.</b> This black-plate (carbonized nickel) design features extended heatsink wings. Has strong and focused output, and is highly recommended for enlivening any stock Fender® or Marshall® that uses a standard 6L6. High-performance design delivers 30 watts, with very high performance/headroom. An outstanding replacement for any tube amp with 6L6 power tubes.		
	Single 6L6 tube in "medium" power range.	555-0113-677	\$34.99
	Matched pair of 6L6 tubes in "Medium" power range	555-0113-497	\$69.99
	Matched quartet of 6L6 tubes in "medium" power range.	555-0113-500	\$139.99
	Matched sextet of 6L6 tubes in "medium" power range.	555-0113-625	\$209.99
<b>GT-6L6-R</b> 	Solid and consistent performance; very sturdy and reliable. AKA 5881.		
	Single 6L6 tube in "medium" power range.	555-0113-683	\$34.99
	Matched pair of 6L6 tubes in "medium" power range.	555-0113-515	\$69.99
	Matched quartet of 6L6 tubes in "medium" power range.	555-0113-518	\$139.99
	Matched sextet of 6L6 tubes in "medium" power range.	555-0113-626	\$209.99
<b>GT-6L6-GE</b> 	<b>EXCLUSIVE GT design.</b> The GE is a faithful reproduction of the original "clear top" 6L6. The flagship of the GT 6L6 line, it looks and sounds exactly like the original G.E. tube used by Fender® in the '50s and '60s. It took more than four years to develop, and has stunning clarity and power. Our most recommended 6L6.		
	Single 6L6 tube in "medium" power range.	555-0113-682	\$39.99
	Matched pair of 6L6 tubes in "Medium" power range	555-0113-503	\$79.99
	Matched quartet of 6L6 tubes in "medium" power range.	555-0113-506	\$159.99
	Matched sextet of 6L6 tubes in "medium" power range.	555-0113-539	\$239.99




## Power Tubes 6L6 Cont.

PRODUCT	DESCRIPTION	STOCK NUMBER	MSRP
	GT-6L6-S Great dynamics and a very sweet, punchy tone with enhanced power rating and performance. More brilliant top end and a very full, pronounced and round low-frequency output. A solid replacement for stock performance.		
	Single 6L6 tube in "medium" power range.	555-0113-685	\$39.99
	Matched pair of 6L6 tubes in "medium" power range.	555-0113-521	\$79.99
	Matched quartet of 6L6 tubes in "medium" power range.	555-0113-524	\$159.99
	Matched sextet of 6L6 tubes in "medium" power range.	555-0113-703	\$239.99

## EL34

The original power platform behind most high-powered British guitar stacks from the '60s onward. Output is generally between 20 and 25 watts, with pronounced midrange punch, tight low end and crisp top end that breaks up relatively smoothly and gets a little crunchy when pushed hard. It provides a great voice that stands out in a band mix as the mids tend to power their way through an overall mix. Big brother to the EL84.

PRODUCT	DESCRIPTION	STOCK NUMBER	MSRP
	GT-EL34M The GT EL34 is based on the original Mullard® EL34 of the '60s — the stock tube in all early Marshall® and Hiwatt® amps. Mullard produced it for about 15 years, and this is a faithful reproduction of the classic XF2 dual-getter version. It has a big, fat and well-defined tone and really "wakes up" reissue amps to perform like the originals. As close as you can get to vintage Marshall® power tube heaven.		
	Single EL34 tube in "medium" power range.	555-0113-694	\$34.99
	Matched pair of EL34 tubes in "medium" power range.	555-0113-557	\$69.99
	Matched quartet of EL34 tubes in "medium" power range.	555-0113-561	\$139.99

## GT-E34L




**EXCLUSIVE GT design.** The heat wings attached to the plate give our version of the original EL34 15-20 percent more power. Interchanges in any EL34 application and stays tight and robust all the way up to full power. Highly dynamic, big low end and runs cooler for longer life. Amazing headroom, killer tone and all of the great features and characteristics of the EL34 design.

Single E34L tube in "medium" power range.	555-0113-687	\$39.99
Matched pair of E34L tubes in "medium" power range.	555-0113-545	\$79.99
Matched quartet of E34L tubes in "medium" power range.	555-0113-548	\$139.99





**Power Tubes**  
**EL34 Cont.**

PRODUCT	DESCRIPTION	STOCK NUMBER	MSRP
	GT-EL34R	A more modern implementation of the original at an affordable price, and currently standard issue on many U.K. amps. Very durable and consistent, which is good for manufacturing, but the distortion can be slightly harsh, and it lacks a little high end. This makes it more forgiving, but can sound a little dull.	
	Single EL34 tube in "medium" power range.	555-0113-695	\$34.99
	Matched pair of EL34 tubes in "medium" power range.	555-0113-569	\$69.99
	Matched quartet of EL34 tubes in "medium" power range.	555-0113-572	\$139.99

**EL84**

Exhibits many of the same characteristics as the EL34, but with a power output of roughly 5-8 watts. Very creamy and smooth; used in many modern class "A" amps. Nearly every modern tube amp company produces a small amp, and Groove Tubes EL84s are a perfect upgrade for any stock tube in these amps. Great for recording and rehearsal; with a soft and tactile touch, rich harmonic response and pleasingly musical top end.

PRODUCT	DESCRIPTION	STOCK NUMBER	MSRP
	GT-EL84-S	The warmest Groove Tube in this family. It remains very buttery, with relatively high power output and very even response. A great replacement for many modern stock amps, overcoming a variety of design issues and limitations in inexpensive tube amps. A great way to upgrade your amp and step up to Groove Tubes tone with one of our best sellers.	
	Single EL84 tube in "medium" power range.	555-0113-698	\$29.99
	Matched pair of EL84 tubes in "medium" power range.	555-0113-580	\$59.99
	Matched quartet of EL84 tubes in "medium" power range.	555-0113-583	\$119.99

	GT-EL84-R	A solid performer — good quality and long lasting. Tends to be a little more aggressive and edgy when pushed into overdrive. This version is a little brighter, but still has a nice smooth top end. Unique character with moderate output.	
	Single EL84 tube in "medium" power range.	555-0113-697	\$29.99
	Matched pair of EL84 tubes in "medium" power range.	555-0113-574	\$59.99
	Matched quartet of EL84 tubes in "medium" power range.	555-0113-577	\$119.99



## Power Tubes 6550/KT88

One of the highest-output 8-pin pentodes available. Originally manufactured in the United States by G.E.®, it delivers 35 to 50 watts per tube and was original equipment in Ampeg SVT and Marshall® amps during the '70s and early '80s. A big, clean, tight tube with amazing headroom and performance and great power and dynamics. A similar tubes is the KT88 (used by Sunn® and others). The highest-output power tube in this family.

PRODUCT	DESCRIPTION	STOCK NUMBER	MSRP
<b>GT-6550R</b> 	Our highest-output 6550 is slightly easier to push into distortion than the original G.E.® version and has a harder response than the "C" for tighter, quicker response. Good for bass amps and metal, when more pronounced note definition is desired with just a touch of distortion.		
	Single 6550 tube in "medium" power range.	555-0113-690	\$69.99
	Matched pair of 6550 tubes in "medium" power range.	555-0113-477	\$139.99
	Matched quartet of 6550 tubes in "medium" power range.	555-0113-480	\$279.99
	Matched sextet of 6550 tubes in "medium" power range.	555-0113-624	\$419.99
<b>GT-6550C</b> 	Our softest 6550 is easier to push into distortion than the "R" version or the original. Has a nice character that breaks up slightly earlier, which some players prefer in a Marshall®. A 6550 standard, this tube will produce a stock signature distortion at lower levels than the "R" version.		
	Single 6550 tube in "medium" power range.	555-0113-676	\$69.99
	Matched pair of 6550 tubes in "medium" power range.	555-0113-488	\$139.99
	Matched quartet of 6550 tubes in "medium" power range.	555-0113-474	\$279.99
	Matched sextet of 6550 tubes in "medium" power range.	555-0113-719	\$419.99
<b>GT-KT88SV</b> 	<b>EXCLUSIVE GT design.</b> This is the highest-output power tube in the 6550/KT88 family, with special heat dissipation wings on the plate that let it reach the same power specs as the original Gold Lion KT88 of the '60s. The best, most durable and most powerful tone in the family, with outstanding dynamic response and big bottom end. The definitive tube for bass amps, country, jazz, metal and any situation in which most of the tone shaping occurs in the preamp, pedals or effects. Amazing high-horsepower delivery of clean tone.		
	Single KT88 tube in "medium" power range.	555-0113-689	\$99.99
	Matched pair of KT88 tubes in "medium" power range.	555-0113-602	\$139.99
	Matched quartet of KT88 tubes in "medium" power range.	555-0113-620	\$279.99
	Matched sextet of KT88 tubes in "medium" power range.	555-0113-628	\$419.99



## SPECIAL ORDER TUBES

### Matched Power Tube Sets

Our stock matched-power tubes sets are offered in the “medium” range. We use a 10-point scale (10 being the highest output ); “medium” tubes fall in the 4-7 range and are most similar to stock tubes for many amplifiers, especially Fender®.

For amp service techs or those wishing to customize amplifiers to achieve specialized tone, “high” (8-10) and “low” (1-3) tube sets are available. In most cases, these may require amp re-biasing by a qualified service technician. Please contact customer service to purchase matched sets with ratings other than “medium.”

### Non-Stock Tubes

There are many other tubes in the Groove Tubes lineup that are non-standard for use in amplifiers today and are not included on this pricelist. These include preamp, rectifier, power amp and microphone tubes such as the 6205, 6922, 7027, 7591, 5881C, KT66, KT77, etc. Please contact customer service to check availability of these tubes and for information on your other special-order needs.



## SILVER SERIES

In a world of “Good, Better, Best” choices, Silver Series tubes are the “Better” choice.

They are excellent workhorses in many amplifier circuits in reverb driver, phase inverter or other applications, and can also be an excellent choice in the audio chain in most positions. Silver Series tubes are fully functional and pass many of the same exhaustive tests of premium Groove Tubes. They exceed all basic industry specifications for performance and provide a very affordable alternative for use in non-critical applications.

Silver Series power tubes are perfect for single power tube (non-matched) use, as spares or use in project amplifiers.

Silver Series preamp tubes are great for “sampling” different preamp tube performance characteristics, to experiment with your sound.

Please contact customer service for information on current inventory availability, pricing and special opportunities to purchase Silver Series tubes.

PRODUCT	STOCK NUMBER
Silver Series preamp tubes - various	Call for Avail.
Silver Series rectifier tubes - various	Call for Avail.
Silver Series power tubes - 6550	Call for Avail.
Silver Series power tubes - KT88, KT66	Call for Avail.
Silver Series power tubes - KT77	Call for Avail.
Silver Series power tubes - EL34R, 6L6S, 6L6R	Call for Avail.
Silver Series power tubes - 6L6CHP, 6L6C, 6L6GE, 6L6R, 6V6S, E34LS, EL34M	Call for Avail.
Silver Series power tubes - 6V6R, EL34C, EL84R, EL84S	Call for Avail.

## Warranty

Warranted to be free of burn out for 30 days from date of purchase.



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