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layer.2 mil thick and an N type emitter layer.3 mil thick. By making contacts to the base and emitter regions, a transistor is produced capable of carrying up to 10 amperes.

### **NTE Semiconductors Cross Reference Guide**

The 14th Edition ECG Semiconductor Master Guide features approximately 13,000 additional crosses and over 230 new devices, including several new product families. Product additions are summarized on pages 1-1 and 1-2 and are identified by type number in the numerical Product Index, beginning on page 1-6. Complementing this expansion are new selector guides and numerous other refinements, all designed to further simplify choosing the best ECG replacement type for the application.

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*Transistor Manual Third Edition ECG-315*

NTE Cross Reference Guide Enter the Manufacturer Part Number of your Semiconductors into the form below to locate a compatible NTE replacement. The purpose of the Cross Reference Guide is to assist you in searching for a part on our linecard by the manufacturer which is similar in function to products of other companies.

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General Transistor substitution chart Most Common : 2N3904 2N3906 2N4125 2N4401 2N5088 2N5458 2N5951 2N5952 12AU7 BC547 Boost JRC386 JRC741 JRC4558D LM308 LM386 LM741 MPF102 Other Overdrive - Distortion Phaser Preamp TL061 TL072 Tremolo Tube Pedal Tube preamp Tubes Utility

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Finding the right transistor fet substitution is important if you want the equipment you repair to last longer. Electronic repairers who perform switch mode power supply repair quite often frustrated because they could not find the original part number and to add things worst they also could not find the right fet replacement or substitution.

*Transistor Substitution - BustedGear.com*

The TIP transistor series is a popular BJT option in this class of part. Here are some great examples: TIP31 Transistor - collector current max = 3 Amps, hfe = 10, max power = 2 Watts, link. TIP120 Transistor - collector current max = 5 Amps, hfe = 1000, max power = 2 Watts, link

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