

# Surface Mount Transistors

## Selector Guide

The following selector chart has been provided to aid in the servicing of equipment using surface mounted transistors.

The very small size of these devices makes it impossible to print the full part number on any surface. To overcome this problem, the various manufacturers use 1 to 3 digits (or alphabet) codes. However, since there are **no standard**

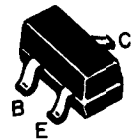
codes established between the manufacturers, it is difficult to determine the actual part number when there is no parts list or schematic to refer to.

This chart is provided merely as a guide of possible ECG selections by application when the above conditions exist.

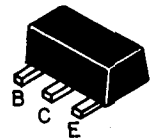
Typical Applications	ECG Type		NPN/ PNP	Case
	PS Voltage ▲			
<b>RF</b>  UHF Amp/Osc/Mixer	12 V Or Less	24 V Or Less	NPN PNP	SOT-23 SOT-23
	2402 2403			
	2401 2402	2401		
UHF Amp/Osc/Mixer, Modulator	2401 2402	2401	PNP NPN	SOT-23 SOT-23
AM/FM Amp/Osc/Mixer, IF	2406 2407	2406 2407	NPN PNP	SOT-23 SOT-23
<b>Multipurpose</b>  AF Preamps, Bias Amps, Sync Sep, Rec/ Playback Amps, Other Low-Noise High Gain Circuits	30 V Or Less	60 V Or Less	NPN PNP NPN PNP NPN PNP	SOT-23 SOT-23 SOT-23 SOT-23 SOT-89 SOT-89
	2408 2409 2404* 2405* 2426* 2427*	2408 2409		
		2426* 2427*		
	2406 2407 2428 2429 2426* 2427*	2407 2428 2429		
		2426* 2427*		
	2406 2407 2428 2429 2426* 2427*	2407 2428 2429		
		2426* 2427*		
	2406 2407 2428 2429 2426* 2427*	2407 2428 2429		
		2426* 2427*		
	2406 2407 2428 2429 2426* 2427*	2407 2428 2429		
	2426* 2427*			
<b>High Voltage Circuit</b>  Video Out, Vert Deflection, HV Switch, Regulator Circuits	150 V Or Less	300 V Or Less	NPN PNP NPN PNP	SOT-23 SOT-23 SOT-89 SOT-89
	2410 2411	2412 2413 2430 2431		

## Case Styles

**SOT-23** Fig. T20-4



**SOT-89** Fig. T20-5



Package Outlines - See Page 1-78

## Digital Transistors

Typical Applications	ECG Type			NPN/ PNP	Case
	Input				
Inverters, Drivers, Interface, Switches	R = 10K	R = 22K	R = 47K	NPN PNP	SOT-23 SOT-23
	2414 2415	2416 2417	2418 2419		

▲ Circuit Power Supply Voltage  
\* Darlington Transistors