

[2] Selection Guide by Packages and Applications

1. Transistors for TV Tuners

Applications			Package Type			
			Super-Mini (SOT-23 MOD./ TO-236 MOD.)	Ultra Super-Mini	Super-Mini Quad (SOT-143 MOD.)	USQ
						
UHF	RF	GaAs MES			#3SK240	#3SK274 #3SK320
		MOS			3SK199 3SK207 3SK232 3SK291	3SK256 3SK249 3SK293
		Bipolar		2SC4244	2SC3828 2SC4214	
	MIX	Bipolar	2SC3120 2SC3862	2SC4245		
	OSC	Bipolar	2SC3120 2SC3121 2SC3547A 2SC3547B	2SC4245 2SC4246 2SC4247 2SC4248 2SC4527		
	VHF	RF	MOS			3SK195 3SK225 3SK226 3SK292
Bipolar			2SC3122	2SC4249		
MIX		Bipolar	2SC3123	2SC4250		
		MOS				3SK260
OSC		Bipolar	2SC3124 2SC4255	2SC4251 2SC4252		

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2. Diodes for TV Tuners

Applications		Package Type				
		Ultra Super-Mini Coaxial Lead	ESC	Super-Mini (SOT-23 MOD. /TO-236 MOD.)	Ultra Super-Mini	SSM
						
UHF	Tuning	1SV214	1SV278			
	AFC	1SV216				
	MIX	1SV215		1SS295		
VHF	Tuning	1SV214	1SV278	1SV242		
		1SV215				
		1SV217				
		1SV231				
		1SV232				
		1SV262	1SV282			
	1SV269	1SV283				
	1SV288	1SV290				
	1SV302	1SV303				
	Band switch	1SS314	1SS381	1SS268 1SS269	1SS312 1SS313	1SS364
	AFC	1SV216				

3. Transistors for VHF to UHF Band

Applications		Package Type							
		TO-92	Power-Mini (SOT-89)	Super-Mini (SOT-23 MOD. TO-236 MOD.)	Ultra Super-Mini	SSM	TESM	Super-Mini Quad. (SOT-143 MOD.)	USQ
									
VHF to UHF Low Noise Amp	PNP·TR	2SA1161							
	NPN·TR	2SC2498		2SC3098 2SC3099 2SC3011	2SC4392			2SC3745	
		2SC2644		2SC5064	2SC5065	2SC5066	2SC5066FT		
		2SC2753	2SC3268	2SC3429	2SC4393				
		2SC3605	2SC3607	2SC5084	2SC5085	2SC5086	2SC5086FT	2SC5087	2SC5088
				2SC4470					
		2SC4316	2SC4318	2SC5089	2SC5090	2SC5091	2SC5091FT	2SC5092	2SC5093
				2SC5094	2SC5095	2SC5096	2SC5096FT	2SC5097	2SC5098
				2SC5254	2SC5255	2SC5256	2SC5256FT	2SC5257	2SC5258
				2SC5259	2SC5260	2SC5261	2SC5261FT	2SC5262	2SC5263
			2SC5315	2SC5316	2SC5317	2SC5317FT	2SC5318	2SC5319	
		2SC5320	2SC5321	2SC5322	2SC5322FT	2SC5323	2SC5324		
			2SC5463	2SC5464	2SC5464FT				
			*MT3S06U	*MT3S06S	*MT3S06T	*MT4S06	*MT4S06U		
			*MT3S07U	*MT3S07S	*MT3S07T				
VHF to UHF OSC	NPN·TR		2SC3547A	2SC4247					
			2SC3547B	2SC4248					
			2SC5106	2SC5107	2SC5108	2SC5108FT			
			2SC5109	2SC5110	2SC5111	2SC5111FT			
				*MT3S03AU	*MT3S03AS	*MT3S03AT	*MT4S03A	*MT4S03AU	
			*MT3S04AU	*MT3S04AS	*MT3S04AT	*MT4S04A	*MT4S04AU		

*: New products

4. Diodes for VHF to UHF Band

Applications		Package Type						
		Super-Mini Quad (SOR-143 MOD.)	Super-Mini (SOT-23 MOD. TO-236 MOD.)	USM	Ultra Super-Mini Coaxial-Lead	ESC	USQ	TESC
								
Attenuator and switch (PIN diode)	Single		1SV128		1SV271 1SV307	*JDP2S04E 1SV308	*JDP4P02U	*JDP2S01T *JDP2S02T
	Twin	1SV237	1SV172	1SV252			1SV312	
MIX (SBD)	Single		1SS154		1SS315			*JDH2S01T
	Twin		1SS271 1SS295					
Tuning					1SV229 1SV230 1SV239 1SV245 1SV270 1SV276 1SV277 1SV287 1SV304 1SV310 *1SV313 *1SV322 *1SV324 *1SV328	1SV279 1SV286 1SV280 1SV309 1SV281 1SV284 1SV285 1SV291 1SV305 1SV311 *1SV314 *1SV323 *1SV325 *1SV329 *1SV331 *JDV2S01E *JDV2S02E *JDV2S05E *JDV2S14E	1SV306	*JDV2S10T

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5. Transistors for AM and FM Tuners

Applications			Package Type						
			TO-92	Mini	Super-Mini (SOT-23 MOD. /TO-236 MOD.)	Ultra Super-Mini	SSM	Super-Mini Quad. (SOT-143 MOD.)	USQ
									
FM	RF	Dual-gate MOS						3SK195 3SK225 3SK226 3SK292	3SK257 3SK258 3SK294
		Single-gate MOS						2SK1771	
		Cascode MOS		2SK241	2SK302	2SK882			
		Cascode J-FET		2SK161	2SK211	2SK881			
		Single-gate J-FET		2SK192A	2SK210				
	Bipolar	2SC1923	2SC2668	2SC2714	2SC4215	2SC4915			
	MIX	Dual-gate MOS							3SK260
		Bipolar	2SC1923	2SC2668	2SC2714	2SC4215	2SC4915		
	OSC	Single-gate J-FET		2SK192A	2SK210				
		Bipolar	2SC1923	2SC2668 2SC2995	2SC2714 2SC2996	2SC4215	2SC4915		
IF	Bipolar	2SC380TM	2SC2669 2SC2995	2SC2715 2SC2996					
AM	RF	Single-gate J-FET	2SK709	2SK710	2SK711	2SK1875			
		Bipolar	2SC941TM	2SC2670	2SC2716				
	CONV	Bipolar	2SC380TM 2SC941TM 2SC1815	2SC2669 2SC2670 2SC2458	2SC2715 2SC2716 2SC2712	2SC4116			
		Bipolar	2SC380TM 2SC1815	2SC2669 2SC2458	2SC2715 2SC2712	2SC4116			

6. Diodes for AM and FM Tuners

Applications		Package Type			
		Mini MOD.	Mini	Super-Mini (SOT-23 MOD./ TO-236 MOD.)	USM
					
FM Tuning	High VT		1SV103	1SV225	
	Low VT	1SV101	1SV147	1SV228	
AM Tuning	High VT	1SV102			
	Low VT	1SV149-B			
AFC				1SV160	
Attenuator and SW (PIN diode)	Single			1SV128	
	Double			1SV172	1SV252

7. Hybrid Devices

Applications	Package Type			
	SMV	FM8	TU6	ES6
				
AM RF (with AGC)	HN3G01J			
VHF to UHF Low Noise Amp			HN2C10FT HN2C12FT HN3C10FT HN3C14FT HN9C01FT HN9C14FT HN9C15FT HN9C22FT MT6L03AT MT6L04AT MT6L50AT MT6L51AT MT6L57AT MT6L58AT MT6L59T MT6L61AT MT6L62AT MT6P03AT MT6P04AT MT6P06T MT6P07T	HN3C10FE HN3C14FE HN9C01FE MT6C03AE MT6C04AE MT6C06E MT6L03AE MT6L04AE MT6L50AE MT6L51AE MT6L52AE MT6L57AE MT6L58AE MT6L59E MT6L61AE MT6L62AE MT6P03AE MT6P04AE MT6P06E MT6P07E
AM Tuning		HN1V01H HN1V02H HN2V02H		

8. Cell Packs

Applications	Package Type									
	SMQ	SMV (SSOP5-P-0.95)	SM6 (SSOP6-P-0.95)	SM8 (SSOP8-P-0.65)	HSOP20 -P-0.5	SSOP20-P-225-1.00	USV (SSOP5-P-0.65)	TU6	ES6 (SSOP6-P-0.5)	ESV (SON5-P-0.5)
										
Diff. Wide Band Amp			TA4000F							
VHF to UHF Wide Band Amp	TA4001F TA4002F	TA4003F TA4004F TA4011F TA4012F					TA4011FU TA4012FU		*TA4016AFE	*TA4011AFE *TA4012AFE
VHF to UHF Amp MIX			TA4100F							
VHF to UHF DBM				TA4101F TA4107F						
1.9 GHz U/C MIX				TA4103F						
Power Amp				#TG2006F						
SPDT SW			#TG2205F #TG2206F					#*TG2210FT		
ATT			#TG2202F							
BS CONV IC						TA4303F				
TCXO							*TA4014FT *TA4015FT	*TA4014FE *TA4015FE		
1.9 GHz PA + SW					#*TG2401F					

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