

Toshiba RF Power MOSFETs

Part Number	Application Scope	TC=25°C							# of pins	Package name (JEDEC)	Package name (JEITA)	Package name (Toshiba)	Package Size (mm)	Package thickness (mm)	Link
		V _{DSS} (max) (V)	I _D (max) (A)	P _D (max) (W)	Pout (min) (W)	Efficiency (%)		Conditions							
						(min)	(typ)								
2SK2854	Portable telephone (800MHz)	10	0.5	0.5	0.2	40		@VDS=6.0V, f=849MHz, Pi=0.02W	3	SOT-89	SC-62	PW-Mini	4.6x4.2	1.6	http://www
2SK3074	UHF/VHF band professional radio (520MHz)	30	1	3	0.63	45		@VDS=9.6V, f=520MHz, Pi=0.02W	3	SOT-89	SC-62	PW-Mini	4.6x4.2	1.6	http://www
2SK3075	UHF/VHF band professional radio (520MHz)	30	5	20	7.5	50		@VDS=9.6V, f=520MHz, Pi=0.5W	4			PW-X	6.3x6.1	1.5	http://www
2SK3077	Portable telephone (900MHz)	10	0.1	0.1	0.032		20	@VDS=4.8V, f=915MHz, Pi=0.001W	4	SOT-343		USQ	2.0x2.1	0.95	http://www
2SK3078A	FRS/GMRS(470MHz)	10	0.5	3	0.63	50		@VDS=4.5V, f=470MHz, Pi=0.1W	3	SOT-89	SC-62	PW-Mini	4.6x4.2	1.6	http://www
2SK3079A	FRS/GMRS(470MHz)	10	3	20	2.24	50		@VDS=4.5V, f=470MHz, Pi=0.1W	4			PW-X	6.3x6.1	1.5	http://www
2SK3475	UHF/VHF band professional radio (520MHz)	20	1	3	0.63	45		@VDS=7.2V, f=520MHz, Pi=0.02W	3	SOT-89	SC-62	PW-Mini	4.6x4.2	1.6	http://www
2SK3476	UHF/VHF band professional radio (520MHz)	20	3	20	7	60		@VDS=7.2V, f=520MHz, Pi=0.5W	4			PW-X	6.3x6.1	1.5	http://www
2SK3756	FRS/GMRS(470MHz)	7	1	3	1.25	50	60	@VDS=4.5V, f=470MHz, Pi=0.1W	3	SOT-89	SC-62	PW-Mini	4.6x4.2	1.6	http://www
2SK4037	FRS/GMRS(470MHz)	12	3	20	4.45	55	60	@VDS=6.0V, f=470MHz, Pi=0.3W	4			PW-X	6.3x6.1	1.5	http://www
RFM00U7U	UHF/VHF band professional radio (520MHz)	20	0.1	0.25	0.1		50	@VDS=7.2V, f=520MHz, Pi=0.01W	4	SOT-343		USQ	2.0x2.1	0.95	http://www
RFM01U7P	UHF/VHF band professional radio (520MHz)	20	1	3	1	55	65	@VDS=7.2V, f=520MHz, Pi=0.1W	3	SOT-89	SC-62	PW-Mini	4.6x4.2	1.6	http://www
RFM03U3CT	UHF/VHF band professional radio (520MHz)	16	2.5	7	2.3	50	60	@VDS=3.6V, f=520MHz, Pi=0.1W	3			RF-CST3	2.9x2.9	0.48	http://www
RFM04U6P	FRS/GMRS(470MHz)	16	2	7	3.5	55	70	@VDS=6.0V, f=470MHz, Pi=0.2W	3	SOT-89	SC-62	PW-Mini	4.6x4.2	1.6	http://www
RFM07U7X	UHF/VHF band professional radio (520MHz)	16	3	20	7	58	68	@VDS=7.1V, f=520MHz, Pi=0.5W	4			PW-X	6.3x6.1	1.5	See attache
RFM08U9X	UHF/VHF band professional radio (520MHz)	36	5	20	7.5	50		@VDS=9.6V, f=520MHz, Pi=0.5W	4			PW-X	6.3x6.1	1.5	http://www
RFM12U7X	UHF/VHF band professional radio (520MHz)	20	4	20	11.5	55	60	@VDS=7.2V, f=520MHz, Pi=1W	4			PW-X	6.3x6.1	1.5	http://www

Toshiba Detecting and Switching Diodes

Part Number	Diode Type	Application Scope	Configuration	V _R (V)	V _{F(max)} (V)	C _T (pF)	r _s (Ω)	# of pins	Package name (JEDEC)	Package name (JEITA)	Package name (Toshiba)	Package Size (mm)	Package thickness (mm)
1SV307	PIN	Switch	Single	30	1	0.3	1.1	2	SOD-323		USC	1.25x2.5	0.9
1SV308	PIN	Switch	Single	30	1	0.3	1.1	2	SOD-523		ESC	0.8x1.6	0.6
JDP2S02ACT	PIN	Switch	Single	30	0.94	0.3	1	2			CST2	0.6x1.0	0.38
JDP2S02AFS	PIN	Switch	Single	30	0.94	0.3	1	2			fSC	0.6x1.0	0.48
JDP2S08SC	PIN	Switch	Single	30	0.95	0.21	1	2			SC2	0.32x0.62	0.3
JDP2S12CR	PIN	Switch	Single	180	1	1	0.4	2			S-FLAT	3.5x1.6	0.98
JDP3C02AU	PIN	Switch	Single	30	0.98	0.28	1	3	SOT-323	SC-70	USM	2.0x2.1	0.9
JDP3C13U	PIN	Switch	Single	30	1	0.24	2.1	3	SOT-323	SC-70	USM	2.0x2.1	0.9
JDP4P02AT	PIN	Switch	Dual	30	0.94	0.3	1	4			TESQ	1.2x1.2	0.52
1SS381	PN-junction	Switch	Single	30	0.85	0.7	0.5	2	SOD-523		ESC	0.8x1.6	0.6
1SS314	PN-junction	Switch	Single	30	0.85	0.7	0.5	2	SOD-323		USC	1.25x2.5	0.9
1SS364	PN-junction	Switch	Dual	30	0.85	0.8	0.6	3	SOT-416	SC-75	SSM	1.6x1.6	0.7
1SS312	PN-junction	Switch	Dual	30	0.85	0.8	0.6	3	SOT-323	SC-70	USM	2.0x2.1	0.9
1SS313	PN-junction	Switch	Dual	30	0.85	0.8	0.6	3	SOT-323	SC-70	USM	2.0x2.1	0.9
JDH2S02SC	SBD	Detector	Single	10	0.24	0.25		2			SC2	0.32x0.62	0.3
JDH2S02FS	SBD	Detector	Single	10	0.24	0.25		2			fSC	0.6x1.0	0.48
JDH2S01FS	SBD	Detector	Single	4	0.25	0.6		2			fSC	0.6x1.0	0.48
1SS315	SBD	Detector	Single	4	0.25	0.6		2	SOD-323		USC	1.25x2.5	0.9
JDH3D01FV	SBD	Detector	Dual	4	0.25	0.6		3	SOT-723	SC-105AA	VESM	1.2x1.2	0.5
JDH3D01S	SBD	Detector	Dual	4	0.25	0.6		3	SOT-416	SC-75	SSM	1.6x1.6	0.7
1SS295	SBD	Detector	Dual	4	0.25	0.6		3	SOT-346	SC-59	S-Mini	2.5x2.9	1.1
1SS271	SBD	Detector	Dual	6	0.5	0.8		3	SOT-346	SC-59	S-Mini	2.5x2.9	1.1
1SS154	SBD	Detector	Single	6	0.5	0.8		3	SOT-346	SC-59	S-Mini	2.5x2.9	1.1

Toshiba RF Bipolar Transistors

Part Number	Application Scope	Configuration	V _{CEO} (V)	IC (mA)	f _T (typ) (GHz)	S ₂₁ ² (dB)	NF (dB)	Number of pins	Package name (JEDEC)	Package name (JEITA)	Package name (Toshiba)	Package Size (mm)	Package thickness (mm)
2SC4215	FM band high frequency amplifier	Single	30	20	0.55	23	2	3	SOT-323	SC-70	USM	2.0x2.1	0.9
2SC4915	FM band high frequency amplifier	Single	30	20	0.55	23	2.3	3	SOT-416	SC-75	SSM	1.6x1.6	0.7
2SC5064	VHF/UHF band low noise amplifier	Single	12	30	7	12	1.1	3	SOT-346	SC-59	S-Mini	2.9x2.5	1.1
2SC5065	VHF/UHF band low noise amplifier	Single	12	30	7	12	1.1	3	SOT-323	SC-70	USM	2.0x2.1	0.9
2SC5066	VHF/UHF band low noise amplifier	Single	12	30	7	12	1.1	3	SOT-416	SC-75	SSM	1.6x1.6	0.7
2SC5084	VHF/UHF band low noise amplifier	Single	12	80	7	11	1.1	3	SOT-346	SC-59	S-Mini	2.9x2.5	1.1
2SC5085	VHF/UHF band low noise amplifier	Single	12	80	7	11	1.1	3	SOT-323	SC-70	USM	2.0x2.1	0.9
2SC5086	VHF/UHF band low noise amplifier	Single	12	80	7	11	1.1	3	SOT-416	SC-75	SSM	1.6x1.6	0.7
2SC5087	VHF/UHF band low noise amplifier	Single	12	80	7	13	1.1	4	SOT-24	SC-61	SMQ	2.9x2.9	1.1
2SC5087R	VHF/UHF band low noise amplifier	Single	12	80	8	13.5	1.1	4	SOT-24	SC-61	SMQ	2.9x2.9	1.1
2SC5088	VHF/UHF band low noise amplifier	Single	12	80	7	13	1.1	4	SOT-343		USQ	2.0x2.1	0.95
2SC5095	VHF/UHF band low noise amplifier	Single	10	15	10	7.5	1.8	3	SOT-323	SC-70	USM	2.0x2.1	0.9
2SC5096	VHF/UHF band low noise amplifier	Single	10	15	10	7.5	1.8	3	SOT-416	SC-75	SSM	1.6x1.6	0.7
2SC5106	VHF/UHF band oscillator	Single	10	30	6	11		3	SOT-346	SC-59	S-Mini	2.9x2.5	1.1
2SC5108	VHF/UHF band oscillator	Single	10	30	6	11		3	SOT-416	SC-75	SSM	1.6x1.6	0.7
MT3S111	VHF/UHF band low noise, low distortion amplifier	Single	6	100	11.5	12	0.9	3	SOT-346	SC-59	S-Mini	2.9x2.5	1.1
MT3S111P	VHF/UHF band low noise, low distortion amplifier	Single	6	100	8	10.5	0.95	3	SOT-89	SC-62	PW-Mini	4.6x4.2(max)	1.6(max)
MT3S111TU	VHF/UHF band low noise, low distortion amplifier	Single	6	100	10	12.5	0.85	3			UFM	2.0x2.1	0.7
MT3S113	VHF/UHF band low noise, low distortion amplifier	Single	5.3	100	12.5	11.8	1.15	3	SOT-346	SC-59	S-Mini	2.9x2.5	1.1
MT3S113P	VHF/UHF band low noise, low distortion amplifier	Single	5.3	100	12.5	11.8	1.15	3	SOT-89	SC-62	PW-Mini	4.6x4.2(max)	1.6(max)
MT3S113TU	VHF/UHF band low noise, low distortion amplifier	Single	5.3	100	11.2	12.5	1.15	3			UFM	2.0x2.1	0.7
MT3S15TU	VHF/UHF band low noise amplifier	Single	6	80	11.5	13.5	1.6	3			UFM	2.0x2.1	0.7
MT3S16U	UHF band amplifier	Single	10	60	4	5.5	2.4	3	SOT-323	SC-70	USM	2.0x2.1	0.9
MT3S19	VHF/UHF band low noise amplifier	Single	6	80	12	12.5	1.5	3	SOT-346	SC-59	S-Mini	2.9x2.5	1.1
MT3S19R	VHF/UHF band low noise, low distortion amplifier	Single	6	80	13.5	13	1.5	3			SOT-23F	2.4x2.9	0.8
MT3S19TU	VHF/UHF band low noise amplifier	Single	6	80	11	13	1.5	3			UFM	2.0x2.1	0.7
MT3S20P	VHF/UHF band low noise, low distortion amplifier	Single	12	80	7	11	1.45	3	SOT-89	SC-62	PW-Mini	4.6x4.2(max)	1.6(max)
MT3S20TU	VHF/UHF band low noise, low distortion amplifier	Single	12	80	7	12	1.45	3			UFM	2.0x2.1	0.7
MT3S21P	VHF/UHF band low noise amplifier	Single	6	80	9	11	1.55	3	SOT-89	SC-62	PW-Mini	4.6x4.2(max)	1.6(max)
MT3S22P	VHF/UHF band low noise, low distortion amplifier	Single	6	80	8.5	10.5	1.5	3	SOT-89	SC-62	PW-Mini	4.6x4.2(max)	1.6(max)
MT4S03BU	VHF/UHF band low noise amplifier	Single	5	40	12	9	1.6	4	SOT-343		USQ	2.0x2.1	0.95
MT4S102U	VHF/UHF band low noise amplifier	Single	3	20	24			4	SOT-343		USQ	2.0x2.1	0.95
MT4S23U	VHF/UHF band low noise amplifier	Single	5	40	16	12	1.4	4	SOT-343		USQ	2.0x2.1	0.95
MT4S24U	VHF/UHF band low noise amplifier	Single	5	50	14.5	11.5	1.55	4	SOT-343		USQ	2.0x2.1	0.95
MT4S300U	GPS & Satellite Radio	Single	4	50	27	16.9-18	0.55	4	SOT-343		USQ	2.0x2.1	0.95
MT4S301U	GPS & Satellite Radio	Single	4	35	27.5	18.1-19.5	0.57	4	SOT-343		USQ	2.0x2.1	0.95

Toshiba Variable Capacitance Diodes

Part Number	Application Scope	Configuration	$C_{T-1}(\text{min})$ (pF)	V_{R-1} (V)	$C_{T-2}(\text{min})$ (pF)	V_{R-2} (V)	Capacitance ratio	r_s (Ω)	# of pins	Package name (JEDEC)	Package name (JEITA)	Package name (Toshiba)	Package Size (mm)	Package thickness (mm)
1SV262	CATV tuners	Single	33	2	2.6	25	12.5	0.6	2	SOD-323		USC	1.25x2.5	0.9
1SV282	CATV tuners	Single	33	2	2.6	25		0.6	2	SOD-523		ESC	0.8x1.6	0.6
1SV228	FM car radios	Dual	28.5	3	11.7	8		0.3	3	SOT-346	SC-59	S-Mini	2.9x2.5	1.1
1SV239	L Band VCO	Single	3.8	2	1.5	10	2.4	0.44	2	SOD-323		USC	1.25x2.5	0.9
1SV280	L Band VCO	Single	3.8	2	1.5	10	2.4	0.44	2	SOD-523		ESC	0.8x1.6	0.6
1SV277	L Band VCO	Single	4	1	1.85	4	2.3	0.42	2	SOD-323		USC	1.25x2.5	0.9
1SV285	L Band VCO	Single	4	1	1.85	4	2.3	0.42	2	SOD-523		ESC	0.8x1.6	0.6
JDV2S07FS	L Band VCO	Single	4	1	1.85	4	2.3	0.42	2			fSC	0.6x1.0	0.48
1SV322	VCXO	Single	26.5	1	6	4	4.3	0.4	2	SOD-323		USC	1.25x2.5	0.9
1SV323	VCXO	Single	26.5	1	6	4	4.3	0.4	2	SOD-523		ESC	0.8x1.6	0.6
1SV324	VCXO	Single	44	1	9.2	4	4.3	0.4	2	SOD-323		USC	1.25x2.5	0.9
1SV325	VCXO	Single	44	1	9.2	4	4.3	0.4	2	SOD-523		ESC	0.8x1.6	0.6
JDV2S36E	VCXO	Single	44	1	5.4	6	7.5	0.4	2	SOD-523		ESC	0.8x1.6	0.6
JDV2S14E	VCXO	Single	56.3	0.5	9.2	4	2.15	0.4	2	SOD-523		ESC	0.8x1.6	0.6
1SV314	VHF/UHF VCO	Single	7.3	0.5	2.75	2.5	2.5	0.35	2	SOD-523		ESC	0.8x1.6	0.6
JDV2S10FS	VHF/UHF VCO	Single	7.3	0.5	2.75	2.5	2.55	0.35	2			fSC	0.6x1.0	0.48
1SV310	VHF/UHF VCO	Single	9.7	1	4.45	4	2.1	0.28	2	SOD-323		USC	1.25x2.5	0.9
1SV311	VHF/UHF VCO	Single	9.7	1	4.45	4	2.1	0.28	2	SOD-523		ESC	0.8x1.6	0.6
JDV2S09FS	VHF/UHF VCO	Single	9.7	1	4.45	4	2.1	0.33	2			fSC	0.6x1.0	0.48
1SV229	VHF/UHF VCO	Single	14	2	5.5	10	2.5	0.2	2	SOD-323		USC	1.25x2.5	0.9
1SV279	VHF/UHF VCO	Single	14	2	5.5	10	2.5	0.2	2	SOD-523		ESC	0.8x1.6	0.6
JDV2S41FS	VHF/UHF VCO	Single	14	2	5.5	10	2.5	0.2	2			fSC	0.6x1.0	0.48
1SV270	VHF/UHF VCO	Single	15	1	7.3	4	2	0.28	2	SOD-323		USC	1.25x2.5	0.9
1SV281	VHF/UHF VCO	Single	15	1	7.3	4	2	0.28	2	SOD-523		ESC	0.8x1.6	0.6
1SV304	VHF/UHF VCO	Single	17.3	1	5.3	4	3	0.27	2	SOD-323		USC	1.25x2.5	0.9
1SV305	VHF/UHF VCO	Single	17.3	1	5.3	4	3	0.27	2	SOD-523		ESC	0.8x1.6	0.6
JDV4P08U	VHF/UHF VCO	Dual	17.3	1	5.3	4	3	0.35	4	SOT-343	SC-82	USQ	2.0x2.1	0.95