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USA / European specification models types [Surface mounting type]

●UMT3 / NPN type

General purpose small signal amplifiers

UMT3 package

	BV _{CBO}	BV _{CEO}	BVEBO	Ιc	I _{CBO}					V _{CE} (sat)	V _{BE} (sat)		Cob	f _T		toff		DIE
Product name	Min.	Min.	Min.	Max.	Max.	@V _{CB}	n _{FE} Min. Ma	, @lc	@V _{CE}	Max.	& Max.	@lc	Max.	Тур.	@lc	Max.	MARKING	NO.
	(V)	(V)	(V)	(mA)	(μV)	(V)	IVIIII. IVIQ	" (mA)	(V)	(V)	(V)	(mA)	(pF)	(MHz)	(mA)	(ns)		1,0.
BC848BW	30	30	5	100	0.1	30	200 45) 2	5	0.6	-	100	3	200	_	_	G1K	C22

●UMT3 / PNP type

General purpose small signal amplifiers

UMT3 package

	ВУсво	BV _{CEO}	BV _{EBO}	Ic	I _{CBO}						V _{CE} (sat)		V _{BE} (sat)		Cob	f⊤		toff		DIE
Product name	Min.	Min.	Min.	Max.	Max.	@V _{CB}	n⊧ Min.	ε Max.	@lc	@V _{CE}	Max.	&	Max.	@lc	Max.	Тур.	@lc	Max.	MARKING	
	(V)	(V)	(V)	(mA)	(μV)	(V)	141111.	wiax.	(mA)	(V)	(V)		(V)	(mA)	(pF)	(MHz)	(mA)	(ns)		.,,
BC858BW	30	30	5	100	0.1	30	210	480	2	5	0.65		_	100	4.5	250	_	_	G3K	A32

[·]The minus sign (-) on PNP values has been omitted.

General purpose amplification and switching

Product name	BV _{CBO} Min. (V)	BV _{CEO} Min. (V)	BV _{EBO} Min. (V)	I _C Max. (mA)	I _{CBO} Max. (μ V)	@V _{Св} (V)	h _{FE} Min. N		@lc (mA)	@V _{CE} (V)	V _{CE} (sat) Max. (V)	V _{BE} (sat) & Max. (V)	@l _c (mA)	Cob Max. (pF)	f _T Typ. (MHz)	@I _C (mA)	toff Max. (ns)	MARKING	DIE NO.
							75		0.1	10									
							100		1	10									
UMT2907A	60	60	5	600	100	50	100		10	10	0.4	1.3	150	8	200	50	180	R2F	A31
							100 :	300	150	10	1.6	2.6	500						
							50		500	10									
							60		0.1	1									
							80		1	1									
UMT3906	40	40	5	200	50	30	100 ;	300	10	1	0.25	0.85	10	4.5	250	10	300	R2A	A38
					(I _{CES})		60		50	1	0.4	0.95	50						
							30		100	1									
							30		0.1	1									
							60		1	1									
UMT4403	40	40	5	600	100	35	100		10	1	0.4	0.95	150	8.5	200	20	225	R2T	A31
							100 :	300	150	2	0.75	1.3	500						
							20		500	2									

[•]The minus sign (-) on PNP values has been omitted.

General purpose amplification and switching

Product name	BV _{CBO} Min. (V)	BV _{CEO} Min. (V)	BV _{EBO} Min. (V)	lc Max. (mA)	I _{CBO} Max. (μV)	@V _{CB}		^{FE} Мах.	@I _C (mA)	@V _{CE}	V _{CE} (sat) Max. (V)	&	V _{BE} (sat) Max. (V)	@l _c (mA)	Cob Max. (pF)	f _T Typ. (MHz)	@Ic (mA)	toff Max. (ns)	MARKING	DIE NO.
							35		0.1	10										
							50		1	10										
UMT2222A	75	40	6	600	100	60	75		10	10	0.3		1.2	150	8	250	20	285	R1P	C31
OWITEEEEA	/ 3	40	0	000	100	00	100	300	150	10	1.0		2	500						
							50		150	1										
							30		500	10										
							40		0.1	1										
							70		1	1										
UMT3904	60	40	6	200	50	30	100	300	10	1	0.2		0.85	10	4	300	10	250	R1A	C37
					(I _{CEX})		60		50	1	0.3		0.95	50						
							30		100	1										
							20		0.1	1										
							40		1	1										
UMT4401	60	40	6	600	100	35	80		10	1	0.4		0.95	150	6.5	250	20	225	R2X	C31
							100	300	150	1	0.75		1.2	500						
							40		500	2										



●SST3 · SMT3 / PNP type (cont.)





General purpose amplification and switching

SST3 package

SMT3 package

Produc	t name	BV _{CBO}	BVceo	BVEBO	Ісво		h _{FE}			V _{CE} (sat)	V _{BE} (sat)		Cob	f⊤		f _{off}	lc		DIE
	kage	Min.	Min.	Min.	Max.	@V _{CB}	Min. Max.		@V _{CE}		Max.	@l ₀	Max.	Min.	@lc	Max.	Max.	MARKING	NO.
SST3	SMT3	(V)	(V)	(V)	(nA)	(A)		(mA)	(V)	(V)	(V)	(mA)	(pF)	(MHz)	(mA)	(ns)	(mA)		
							35 50	0.1	10 10										
SST2222A	MMST2222A	75	40	6	100	60	75	10	10	0.3	1.2	150	8	250	20	285	600	R1P	C31
001222	1411110 (2222 / 1		10		100	00	100 300 50		10	1	2	500					000		
							30	150 500	10										
							40	0.1	1										-
							70	1	1										
SST3904	MMST3904	60	40	6	50 (I _{CEX})	30	100 300	10	1	0.2	0.85	10	4	300	10	250	200	R1A	C37
					(ICEX/		60	50	1	0.3	0.95	50							
							30	100	1										
_	MMST4124	30	25	5	50	20	120 360		1	0.3	0.95	50	4	300	10	_	200	RZC	C37
							60	50	1				·						
							20	0.1	1										
				_			40	1	1	0.4	0.95	150							
SST4401	MMST4401	60	40	6	100	35	80	10	1	0.75	1.2	500	6.5	250	20	225	600	R2X	C31
							100 300		1										
							40	500	2										

Medium power amplification

	t name kage	BV _{CBO} Min.	BV _{CEO} Min.	BV _{EBO} Min.	Ісво Мах.	@V _{CB}	h _{FE} Min, Max	@lc	@Vce	V _{CE} (sat) Max.	V _{BE} (sat) Max.	@lc	Cob Max.	f⊤ Min.	@lc	f _{off} Max.	I _C Max.	MARKING	DIE NO.
SST3	SMT3	(V)	(V)	(V)	(nA)	(V)	IVIIII. IVIAX	(mA)	(V)	(V)	(V)	(mA)	(pF)	(MHz)	(mA)	(ns)	(mA)		NO.
COTAGE	_	60	60	4	400		100	10	1	0.05	1.2	400		100	10		500	R1H	Dic
SSTA05	_	60	60	4	100	60	100	100	1	0.25	$(V_{BE(ON)})$	100		100	10		500	RIH	D16
007100	LUIOTAGO	-00			400		100	10	1	0.05	1.2	400		100	40		500	D40	D40
SSTA06	MMSTA06	80	80	4	100	80	100	100	1	0.25	$(V_{BE(ON)})$	100		100	10		500	R1G	D16

Darlington pair type

Produc Pack SST3		BV _{CBO} Min. (V)	BV _{CEO} Min. (V)	BV _{EBO} Min. (V)	I _{CBO} Max. (nA)	@V _{CB} (V)	h _{FE} Min. Max.	@lc (mA)	@V _{CE}	V _{CE} (sat) Max. (V)	V _{BE} (sat) Max. (V)	@I _C (mA)	Cob Max. (pF)	f _⊤ Min. (MHz)	@lc (mA)	NF (dB)	I _C Max. (mA)	MARKING	DIE NO.
SST6427	_	40	40	12	50	30	10 100 20 200 14 140	10 100 500	5 5 5	1.2 1.5	2	50 500	7			10	500	R1J	D25
SSTA13	MMSTA13	(V _{CES})		10	100	30	5 10	10 100	5 5	1.5		100	10	125	10		500	R1M	D25
SSTA14	MMSTA14	(V _{CES})		10	100	30	10 20	10 100	5 5	1.5		100	10	125	10		500	R1N	D25
SSTA28	MMSTA28	(V _{CES}) 80		12	100	60	10 10	10 100	5 5	1.5		100	8	125	10		500	RAT	D69

High frequency applications

	t name kage	BV _{CBO} Min.	BV _{CEO} Min.	BV _{EBO} Min.	I _{сво} Мах.	@V _{CB}	h _{FE}	av [@lc	@V _{CE}	Max.	Max.	@lc	Cob Max.	f⊤ Min.	@lc	NF. (dB)	I _c Max.	MARKING	DIE NO.
SST3	SMT3	(V)	(V)	(V)	(nA)	(V)	Min. M	۵۸.	(mA)	(V)	(V)	(V)	(mA)	(pF)	(MHz)	(mA)	(dD)	(mA)		NO.
SST8245	_	30	20	3	100 (I _{CES})	18	60 18	50	2.5	4	0.4	1	10	1.2	600	2.5		50	R3B	C33
-	MMST918	30	15	3	100	15	20		3	1	0.4	1	10	1.7	600	4	6	50	RVX	C33



●SST3 · SMT3 / PNP type





General purpose amplification and switching (cont.)

SST3 package

SMT3 package

	t name kage	BV _{CBO} Min.	BV _{CEO} Min.	BV _{EBO} Min.	I _{CBO} Max.	@V _{CB}	h,		@lr	@Vc∈	V _{CE} (sat) Max.	V _{BE} (sat) Max.	@lc	Cob Max.	f⊤ Min.	@lc	t _{off} Max.	l _c Max.	MARKING	DIE
SST3	SMT3	(V)	(V)	(V)	(nA)	(V)	Min.	Мах.	(mA)	(V)	(V)	(V)	(mA)	(pF)	(MHz)	(mA)	(ns)	(mA)		NO.
SST3906	MMST3906	40	40	5	50 (I _{CES})	30	60 80 100 60 30	300	0.1 1 10 50 100	1 1 1 1	0.25 0.4	0.85 0.95	10 50	4.5	250	10	300	200	R2A	A38
-	MMST4126	25	25	4	50	20	120 60	360	2 50	1	0.4	0.95	50	4.5	250	10		200	RVZ	A38
SST4403	MMST4403	40	40	5	100	35	30 60 100 100 20	300	0.1 1 10 150 500	1 1 1 2 2	0.4 0.75	0.95 1.3	150 500	8.5	200	20	255	600	R2T	A31

[·]The minus sign (-) on PNP values has been omitted.

Medium power amplification

	ct name kage	BV _{CBO} Min.	BV _{CEO} Min.	BV _{EBO} Min.	I _{CBO} Max.	@V _{CB}	h _{FE} Min. Max.		@V _{CE}	V _{CE} (sat) Max.	V _{BE} (sat) Max.	@lc	Cob Max.	f _⊤ Min.	@lc	t₀ _{ff} Max.	I _c Max.	MARKING	DIE NO.
SST3	SMT3	(V)	(V)	(V)	(nA)	(V)	William William	(mA)	(V)	(V)	(V)	(mA)	(pF)	(MHz)	(mA)	(ns)	(mA)		110.
SSTA56	MMSTA56	80	80	4	100	80	100	10	1	0.25	12	100		50	100		500	R2G	B93
301A30	IVIIVISTASO	80	80	4	100	00	100	100	1	0.25	1.2	100		50	100		500	nzg	Dao

[·]The minus sign (-) on PNP values has been omitted.

Darlington pair type

	ct name kage SMT3	BV _{CBO} Min. (V)	BV _{CEO} Min. (V)	BV _{EBO} Min. (V)	I _{CBO} Max. (nA)	@V _{CB}	h _{FE} Min. Max.	@I _c	@V _{CE} (V)	V _{CE} (sat) Max. (V)	V _{BE} (sat) Max. (V)	@Ic (mA)	Cob Max. (pF)	f _T Min. (MHz)	@I _c (mA)	NF (dB)	I _C Max. (mA)	MARKING	DIE NO.
-	MMSTA64	30	30 (Vess)	10	100	30	10k	100	5	1.5		100	7	125	10	3	300	R2V	B25

[·]The minus sign (—) on PNP values has been omitted.



MPT3 / NPN type

MPT3 package

									p anomage
Application	Product name	V _{CEO} (V)	lc (A)	Pc (W)★	f⊤ (MHz)	Cob (pF)	h _{FE}	MARKING	DIE NO.
Driver	BCX56	80	1	1	100	20	40~250	DF	D54

[★] On 14×18×0.7mm ceramic board.



MPT3 package

●MPT3 / PNP type

									- 1 3 -
Application	Product name	V _{CEO} (V)	lc (A)	Pc (W)★	f⊤ (MHz)	Cob (pF)	h _{FE}	MARKING	DIE NO.
Driver	BCX53	80	1	1	100	20	40~250	BE	B54

[·]The minus sign (-) on PNP values has been omitted.

[★] On 14×18×0.7mm ceramic board.