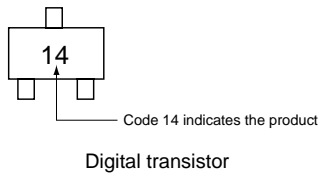
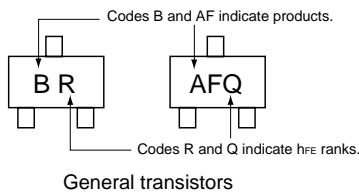


Abbreviated markings on mini-mold transistors

●**EMT3 and UMT3 labels**

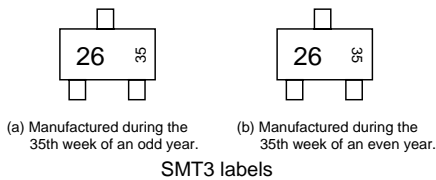
On general transistors, the product and h_{FE} rank are indicated by 2 or 3 letters. On digital transistors, the product type is indicated by a 2-digit number.



●**SMT3 labels**

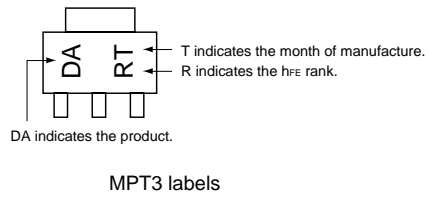
On the SMT3 package, the product and h_{FE} rank are indicated by 2 or 3 letters on general transistors, and the product is indicated by a 2-digit number on digital transistors.

Furthermore, on SMT products with direct laser labels there is also a number indicating the week of manufacture. The direction of the number indicates whether the year of manufacture was an odd year or an even year.



●**MPT3 labels**

The label on the MPT3 packages indicates the product, h_{FE} rank, and month of manufacture using 4 letters.



The month of manufacture is indicated as shown below by a letter, excluding I and O. (This method is also used on other packages.)

Month of manufacture	1	2	3	4	5	6	7	8	9	10	11	12
Even year	A	B	C	D	E	F	G	H	J	K	L	M
Odd year	N	P	Q	R	S	T	U	V	W	X	Y	Z

●**UMT5, UMT6, SMT5, and SMT6 labels**

The labels on UMT5, UMT6, SMT5, and SMT6 packages show the product name excluding the initial two letters (UM or FM), and consist of 2 or 3 letters. On the SMT6 packages, the week of manufacture is also shown (similar to the SMT3). The marking is made using direct laser labeling.

Abbreviated markings on mini-mold transistors

Transistors

Package	Label	Product name
EMT3 An h _{FE} rank code will appear in each place marked by a □.	A□	2SC4618
	AC□	2SC4725
	AD□	2SC4726
	B□	2SC4617
	BV□	2SC5274
	CA	2SA1885
	CB	2SC4997
	F□	2SA1774
	KN	2SK3019
	12	DTA123EE
	13	DTA143EE
	14	DTA114EE
	15	DTA124EE
	16	DTA144EE
	19	DTA115EE
	22	DTC123EE
	23	DTC143EE
	24	DTC114EE
	25	DTC124EE
	26	DTC144EE
	29	DTC115EE
	33	DTA143XE
	35	DTA124XE
	43	DTC143XE
	45	DTC124XE
	52	DTA123YE
	54	DTA114YE
	62	DTC123YE
	64	DTC114YE
	69	DTC115EE
	74	DTA114WE
	76	DTA144WE
	84	DTC114WE
	86	DTC144WE
	93	DTA143TE
	94	DTA114TE
	95	DTA124TE
	96	DTA144TE
	99	DTA115TE
	03	DTC143TE
	04	DTC114TE
	05	DTC124TE
06	DTC144TE	

Package	Label	Product name
EMT3	E11	DTA113ZE
	E13	DTA143ZE
	E23	DTC143ZE
	E32	DTA123JE
	E42	DTC123JE
	K14	DTA114GE
	K26	DTC144GE
	Z21	DTC113ZE

Package	Label	Product name
UMT3 An h _{FE} rank code will appear in each place marked by a □.	1C□	2SC4082
	1D□	2SC4083
	A□	2SC4098
	B□	2SC4081
	BJ□	2SD2351
	BM□	2SC4774
	C□	2SC4097
	CB	2SC4998
	F□	2SA1576A
	H□	2SA1577
	KN	2SK3018
	R□	2SA1579
	T□	2SC4102
	Y□	2SD1949
	95	DTA124TUA
	96	DTA144TUA
	03	DTC143TUA
	04	DTC114TUA
	05	DTC124TUA
	06	DTC144TUA
	09	DTC115TUA
	0A	DTC125TUA
	12	DTA123EUA
	13	DTA143EUA
	14	DTA114EUA
	15	DTA124EUA
	16	DTA144EUA
	19	DTA115EUA
	22	DTC123EUA
	23	DTC143EUA
	24	DTC114EUA
	25	DTC124EUA

Abbreviated markings on mini-mold transistors

Transistors

Package	Label	Product name
UMT3	26	DTC144EUA
	29	DTC115EUA
	33	DTA143XUA
	35	DTA124XUA
	43	DTC143XUA
	45	DTC124XUA
	52	DTA123YUA
	54	DTA114YUA
	62	DTC123YUA
	64	DTC114YUA
	69	DTC115EUA
	74	DTA114WUA
	76	DTA144WUA
	84	DTC114WUA
	86	DTC144WUA
	93	DTA143TUA
	95	DTA124TUA
	96	DTA144TUA
	99	DTA115TUA
	9A	DTA125TUA
	111	DTA113ZUA
	113	DTA143ZUA
	123	DTC143ZUA
	132	DTA123JUA
	142	DTC123JUA
	156	DTA144VUA
	166	DTC144VUA
	121	DTC113ZU
	H02	DTC323TU
	H04	DTC314TU
	H27	DTC363EU
	K14	DTA114GUA
	K16	DTA144GUA
	K19	DTA115GUA
	K24	DTC114GUA
	K25	DTC124GUA
	K26	DTC144GUA
	K29	DTC115GUA
	Z21	DTC113ZUA
	G1K	BC848BW
	G3K	BC858BW
	R1A	UMT3904
	R1P	UMT2222A

Package	Label	Product name
UMT3	R2A	UMT3906
	R2F	UMT2907A
	R2T	UMT4403
	R2X	UMT4401

Package	Label	Product name
SMT3 An h _{FE} rank code will appear in each place marked by a □.	A□	2SC2413K
	AA□	2SD1757K
	AC□	2SC3837K
	AD□	2SC3838K
	AF□	2SD1781K
	AH□	2SB1197K
	AJ□	2SD1782K
	AK□	2SB1198K
	AN□	2SC4061K
	B□	2SC2412K
	BB□	2SD2114K
	BJ□	2SD2226K
	BK□	2SB1590K
	BM□	2SC4713K
	BS□	2SD2444K
	C□	2SC2411K
	F□	2SA1037AK
	H□	2SA1036K
	R□	2SA1514K
	KL	2SK2731
	R1M	2SD2142K
	T□	2SC3906K
	U□	2SB852K
	W□	2SD1383K
	Y□	2SD1484K
	02	DTC123TKA
	03	DTC143TKA
	04	DTC114TKA
	05	DTC124TKA
	06	DTC144TKA
	09	DTC115TKA
	0A	DTC125TKA
	12	DTA123EKA
	13	DTA143EKA
	14	DTA114EKA
15	DTA124EKA	

Abbreviated markings on mini-mold transistors

Transistors

Package	Label	Product name
SMT3	16	DTA144EKA
	19	DTA115EKA
	22	DTC123EKA
	23	DTC143EKA
	24	DTC114EKA
	25	DTC124EKA
	26	DTC144EKA
	29	DTC115EKA
	33	DTA143XKA
	35	DTA124XKA
	43	DTC143XKA
	45	DTC124XKA
	52	DTA123YKA
	54	DTA114YKA
	62	DTC123YKA
	64	DTC114YKA
	69	DTC115EKA
	74	DTA114WKA
	76	DTA144WKA
	84	DTC114WKA
	86	DTC144WKA
	91	DTA113TKA
	93	DTA143TKA
	94	DTA114TKA
	95	DTA124TKA
	96	DTA144TKA
	99	DTA115TKA
	9A	DTA125TKA
	E11	DTA113ZKA
	E13	DTA143ZKA
	E23	DTC143ZKA
	E32	DTA123JKA
	E42	DTC123JKA
	E56	DTA144VKA
	E66	DTC144VKA
	F02	DTD123TK
	F03	DTD143TK
	F11	DTB113EK
	F12	DTB123EK
	F13	DTB143EK
	F14	DTB114EK
	F21	DTD113EK
	F22	DTD123EK

Package	Label	Product name
SMT3	F23	DTD143EK
	F24	DTD114EK
	F52	DTB123YK
	F62	DTD123YK
	F92	DTB123TK
	F93	DTB143TK
	F94	DTB114TK
	G08	DTD133HKA
	G11	DTB113ZK
	G21	DTD113ZK
	G3C	DTB122JK
	G4C	DTD122JK
	G98	DTB133HKA
	H02	DTC323TK
	H03	DTC343TK
	H04	DTC314TK
	H07	DTC363TK
	H27	DTC363EK
	K14	DTA114GKA
	K15	DTA124GKA
	K16	DTA144GKA
	K19	DTA115GKA
	K24	DTC114GKA
	K25	DTC124GKA
	K26	DTC144GKA
	K29	DTC115GKA
	L14	DTB114GK
	L24	DTD114GK
	Z21	DTC113ZKA
	R1A	MMST3904
	R1G	MMSTA06
	R1K	MMST6428
	R1M	MMSTA13
	R1N	MMSTA14
	R1O	MMST5088
	R1P	MMST2222A
	R2A	MMST3906
	R2B	MMST2907
	R2F	MMST2907A
	R2G	MMSTA56
	R2K	MMST8598
	R2O	MMST5087
	R2P	MMST5086

Abbreviated markings on mini-mold transistors

Transistors

Package	Label	Product name
SMT3	R2T	MMST4403
	R2V	MMSTA64
	R2X	MMST4401
	R3B	MMST918
	RAT	MMSTA28
	RAV	MMST8098
	RVZ	MMST4126
	RZC	MMST4124

Package	Label	Product name
SST3	13	DTA143ECA
	14	DTA114ECA
	15	DTA124ECA
	24	DTC114ECA
	25	DTC124ECA
	96	DTA144TCA
	04	DTC114TCA
	E23	DTC143ZCA
	F13	DTB143EC
	F23	DTD143EL
	F52	DTB123YC
	G1E	BC847A
	G1F	BC847B
	G1G	BC847C
	G1J	BC848A
	G1K	BC848B
	G1L	BC848C
	G3E	BC857A
	G3F	BC857B
	G3K	BC858B
	G5B	BC807-25
	G6B	BC817-25
	GAB	BCW60B
	GAC	BCW60C
	GAD	BCW60D
	GAH	BCX70H
	GAJ	BCX70J
	GAK	BCX70K
	GBB	BCW61B
	GBC	BCW61C
	GBG	BCX71G
	GBH	BCX71H
	GBJ	BCX71J

Package	Label	Product name
SST3	GC2	BCW30
	GD1	BCW31
	GD2	BCW32
	GD3	BCW33
	GEC	BCW65C
	GH1	BCW69
	GH2	BCW70
	GK1	BCW71
	GK2	BCW72
	GMA	BFS17
	GT1	BCX17
	GU1	BCX19
	R1A	SST3904
	R1G	SSTA06
	R1H	SSTA05
	R1J	SST6427
	R1M	SSTA13
	R1N	SSTA14
	R1P	SST2222A
	R2A	SST3906
	R2F	SST2907A
	R2G	SSTA56
	R2T	SST4403
	R2X	SST4401
	R3B	SST8245
	R97	SSTTIS97
	RAT	SSTA28
	RBR	SST6838
	RFQ	SST6839
	RKM	RK7002
RZC	SST4124	

Package	Label	Product name
MPT3 hFE rank code will be shown in □ and Lot No. will be shown in ■.	AE□	2SB1424
	AG□	2SA1797
	AH□	2SA1759
	AJ□	2SA1812
	AL□	2SA1900
	BA□	2SB1132
	BC□	2SB1188
	BD□	2SB1189
	BE□	2SB1260
	BE■	BCX53

Abbreviated markings on mini-mold transistors

Transistors

Package	Label	Product name
MPT3 hFE rank code will be shown in □ and Lot No. will be shown in ■.	BF□	2SB1308
	BH□	2SB1386
	BJ□	2SB1427
	BL□	2SB1561
	BN□	2SB1580
	CB□	2SC4132
	CE□	2SC4505
	CF□	2SD2150
	CG□	2SC5053
	DA□	2SD1664
	DB□	2SD1766
	DC□	2SD1767
	DE□	2SD1834
	DF□	2SD1898
	DF■	BCX56
	DG□	2SD1963
	DJ□	2SD2098
	DL□	2SD2167
	DM□	2SD2170
	DN□	2SD2153
	DP□	2SD2195
	DQ□	2SD2211
	DR□	2SD2212
	DT□	2SD2391
	DV□	2SD2537
	DK□	2SC4672
	KA	2SK2103
	KC	2SK2463
	KE	2SK3065
	E01	DTDG14GP
E02	DTDG23YP	
S01	DTDS14GP	

Package	Label	Product name
UMT5	A1	UMA1N
	A10	UMA10N
	A11	UMA11N
	A2	UMA2N
	A3	UMA3N

Package	Label	Product name	
UMT5	A4	UMA4N	
	A5	UMA5N	
	A6	UMA6N	
	A7	UMA7N	
	A8	UMA8N	
	A9	UMA9N	
	C1	UMC1N	
	C2	UMC2N	
	C3	UMC3N	
	C4	UMC4N	
	C5	UMC5N	
	G1	UMG1N	
	G10	UMG10N	
	G11	UMG11N	
	G2	UMG2N	
	G3	UMG3N	
	G4	UMG4N	
	G5	UMG5N	
	G6	UMG6N	
	G7	UMG7N	
	G8	UMG8N	
	G9	UMG9N	
	K1	UM5K1N	
	L1	UML1N	
	L2	UML2N	
	S1	UMS1N	
	S2	UMS2N	
	W10	UMW10N	
	W1	UMW1N	
	W2	UMW2N	
	W6	UMW6N	
	W7	UMW7N	
	W8	UMW8N	
	Y1	UMY1N	
	Y3	UMY3N	

Abbreviated markings on mini-mold transistors

Transistors

Package	Label	Product name
UMT6	B1	UMB1N
	B10	UMB10N
	B11	UMB11N
	B2	UMB2N
	B3	UMB3N
	B4	UMB4N
	B5	UMB5N
	B6	UMB6N
	B8	UMB8N
	B9	UMB9N
	D12	UMD12N
	D2	UMD2N
	D3	UMD3N
	D6	UMD6N
	H1	UMH1N
	H10	UMH10N
	H11	UMH11N
	H14	UMH14N
	H2	UMH2N
	H3	UMH3N
	H4	UMH4N
	H5	UMH5N
	H6	UMH6N
	H7	UMH7N
	H8	UMH8N
	H9	UMH9N
	K1	UM6K1N
	T1	UMT1N
	T2	UMT2N
	X1	UMX1N
	X2	UMX2N
	X3	UMX3N
	X4	UMX4N
X5	UMX5N	
Z1	UMZ1N	
Z2	UMZ2N	

Package	Label	Product name
SMT5	A1	FMA1A
	A10	FMA10A
	A11	FMA11A
	A2	FMA2A
	A3	FMA3A

Package	Label	Product name
SMT5	A4	FMA4A
	A5	FMA5A
	A6	FMA6A
	A7	FMA7A
	A8	FMA8A
	A9	FMA9A
	C1	FMC1A
	C2	FMC2A
	C3	FMC3A
	C4	FMC4A
	C5	FMC5A
	C6	FMC6A
	C7	FMC7A
	G1	FMG1A
	G11	FMG11A
	G12	FMG12
	G13	FMG13
	G2	FMG2A
	G3	FMG3A
	G4	FMG4A
	G5	FMG5A
	G6	FMG6A
	G7	FMG7A
	G8	FMG8A
	G9	FMG9A
	Q2	FMQ2
	S1	FMS1A
	S2	FMS2N
	S3	FMS3
	S4	FMS4
	W1	FMW1
	W10	FMW10
	W2	FMW2
	W3	FMW3
	W4	FMW4
	W6	FMW6
	W7	FMW7
	W8	FMW8
	Y1	FMY1A
	Y3	FMY3A
	Y4	FMY4A
	Y5	FMY5
Y6	FMY6	

Abbreviated markings on mini-mold transistors

Transistors

Package	Label	Product name
SMT6	B1	IMB1A
	B10	IMB10A
	B11	IMB11A
	B16	IMB16
	B17	IMB17A
	B2	IMB2A
	B3	IMB3A
	B4	IMB4A
	B5	IMB5A
	B6	IMB6A
	B7	IMB7A
	B8	IMB8A
	B9	IMB9A
	D1	IMD1A
	D10	IMD10A
	D14	IMD14
	D16	IMD16A
	D2	IMD2A
	D3	IMD3A
	D4	IMD6A
	D8	IMD8A
	D9	IMD9A
	H1	IMH1A
	H10	IMH10A
	H11	IMH11A
	H14	IMH14A
	H15	IMH15A
	H2	IMH2A
	H3	IMH3A
	H4	IMH4A
	H5	IMH5A
	H6	IMH6A
	H7	IMH7A
	H8	IMH8A
	H9	IMH9A
	T1	IMT1A
	T17	IMT17
	T2	IMT2A
	T3	IMT3A
	T4	IMT4
	X1	IMX1
	X17	IMX17
X2	IMX2	

Package	Label	Product name
SMT6	X3	IMX3
	X4	IMX4
	X5	IMX5
	X8	IMX8
	X9	IMX9
	Z1	IMZ1A
	Z2	IMZ2A
	Z4	IMZ4