

Small-signal Transistors and Diodes

Cross Reference Transistors

PHILIPS GA TRANSISTORS CROSS REFERENCE

| COMPETITOR TYPE NUMBER | PHILIPS-TYPE-No. |
|------------------------|------------------|
| 2N2925 | ED1402D |
| 2N3903 | 2N3904 |
| 2N3904 | 2N3904 |
| 2N3904 | 2N3904 |
| 2N3905 | 2N3906 |
| 2N3906 | 2N3906 |
| 2N3906 | 2N3906 |
| 2N4123 | 2N3904 |
| 2N4124 | 2N3904 |
| 2N4125 | 2N3904 |
| 2N4400 | 2N4401 |
| 2N4401 | 2N4401 |
| 2N4401 | 2N4401 |
| 2N4402 | 2N4403 |
| 2N4403 | 2N4403 |
| 2N4403 | 2N4403 |
| 2N4410 | MPSA06 |
| 2N5087 | MPS3906 |
| 2N5087 | MPS3906 |
| 2N5088 | MPS3904 |
| 2N5089 | MPS3904 |
| 2N5209 | BC547B |
| 2N5210 | BC547B |
| 2N5232A | BC547B |
| 2N5400 | 2N5401 |
| 2N5401 | 2N5401 |
| 2N5401 | 2N5401 |
| 2N5550 | 2N5550 |
| 2N5551 | 2N5551 |
| 2N5551 | 2N5551 |
| 2N6426 | MPSA14 |
| 2N6426 | MPSA14 |
| 2N6427 | MPSA14 |
| 2N6517 | MPSA44 |
| 2N6519 | MPSA92 |
| 2SA1036K | BSR15 |
| 2SA1037AK | 2PB709AS |
| 2SA1576A | 2PA1576S |
| 2SA1579 | PMST5401 |

| COMPETITOR TYPE NUMBER | PHILIPS-TYPE-No. |
|------------------------|------------------|
| 2SA1759 | PXTA92 |
| 2SA1774 | 2PA1774Q |
| 2SA1774 | 2PA1774S |
| 2SA1797 | BCX52-16 |
| 2SA1900 | BCX52-16 |
| 2SB1132 | BCX51-16 |
| 2SB1189 | BSR33 |
| 2SB1260 | BCX53-16 |
| 2SB1424 | BC869 |
| 2SB1561 | BSR31 |
| 2SB1580 | BST62 |
| 2SC1651S | BF422L |
| 2SC2062S | BC618 |
| 2SC2411K | 2PD601AS |
| 2SC2412K | 2PD1820AS |
| 2SC2413K | 2PD601AQ |
| 2SC4081 | 2PC4081Q |
| 2SC4097 | 2PC4081Q |
| 2SC4098 | BC847AW |
| 2SC4102 | PMST5550 |
| 2SC4132 | BSR43 |
| 2SC4505 | PXTA42 |
| 2SC4617 | 2PC4617Q |
| 2SC4618 | BC847AT |
| 2SC4672 | BCX55-16 |
| 2SC4997 | BC847CT |
| 2SC4998 | PMST6429 |
| 2SC5053 | BCX55-16 |
| 2SD1484K | 2PD602AR |
| 2SD1664 | BCX54 |
| 2SD1757K | 2PD602AS |
| 2SD1766 | BC868 |
| 2SD1767 | BCX56-16 |
| 2SD1781K | 2PD602AR |
| 2SD1782K | 2PD602AS |
| 2SD1834 | BST51 |
| 2SD1898 | BCX56-16 |
| 2SD1949 | 2PD1820AS |
| 2SD2098 | BC868-25 |

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| COMPETITOR TYPE NUMBER | PHILIPS-TYPE-No. |
|------------------------|------------------|
| 2SD2150 | BC868 |
| 2SD2153 | BC868 |
| 2SD2195 | BST52 |
| 2SD2351 | PMST6429 |
| 2SD2391 | BSR41 |
| BC237 | BC547B |
| BC237A | BC547B |
| BC237B | BC547B |
| BC307 | BC557B |
| BC307B | BC557B |
| BC327 | BC327 |
| BC327-16 | BC327-16 |
| BC327-25 | BC327-25 |
| BC328 | BC327 |
| BC328-16 | BC327-16 |
| BC328-25 | BC327-25 |
| BC337 | BC337 |
| BC337-16 | BC337-16 |
| BC337-25 | BC337-25 |
| BC337-40 | BC337-40 |
| BC338 | BC337 |
| BC338-16 | BC337-16 |
| BC338-25 | BC337-25 |
| BC338-40 | BC337-40 |
| BC368 | BC368 |
| BC369 | BC369 |
| BC373 | BC618 |
| BC489A | MPSA06 |
| BC490A | MPSA56 |
| BC517 | BC517 |
| BC546 | BC546 |
| BC546B | BC546B |
| BC547 | BC547 |
| BC547A | BC546A |
| BC547B | BC547B |
| BC547C | BC547C |
| BC548 | BC547 |
| BC548A | BC546A |
| BC548B | BC547B |
| BC548C | BC547C |

| COMPETITOR TYPE NUMBER | PHILIPS-TYPE-No. |
|------------------------|------------------|
| BC549B | BC547B |
| BC549C | BC549C |
| BC550B | BC547B |
| BC550C | BC550C |
| BC556 | BC556 |
| BC556B | BC556B |
| BC557 | BC557 |
| BC557A | BC556A |
| BC557B | BC557B |
| BC557C | BC557C |
| BC558B | BC557B |
| BC559B | BC556B |
| BC559C | BC559C |
| BC560C | BC557C |
| BC618 | BC618 |
| BC635 | BC635 |
| BC636 | BC636 |
| BC637 | BC637 |
| BC638 | BC640-16 |
| BC639 | BC639 |
| BC640 | BC640 |
| BC807-16LT1 | BC807-16 |
| BC807-25 | BC807-25 |
| BC807-25LT1 | BC807-25 |
| BC807-40 | BC807-40 |
| BC807-40LT1 | BC807-40 |
| BC808-16W | BC807-16W |
| BC817-16LT1 | BC817-16 |
| BC817-25 | BC817-25 |
| BC817-25LT1 | BC817-25 |
| BC817-40 | BC817-40 |
| BC817-40LT1 | BC817-40 |
| BC818-16W | BC817-16W |
| BC818W | BC817W |
| BC846...850 | BC846 |
| BC846ALT1 | BC846A |
| BC846AWT1 | BC846AW |
| BC846BLT1 | BC846B |
| BC846BWT1 | BC846BW |
| BC846W..850W | BC846W |

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| COMPETITOR TYPE NUMBER | PHILIPS-TYPE-No. |
|------------------------|------------------|
| BC847A | BC847A |
| BC847ALT1 | BC847A |
| BC847AWT1 | BC847AW |
| BC847B | BC847B |
| BC847BLT1 | BC847B |
| BC847BW | BC847BW |
| BC847BWT1 | BC847BW |
| BC847C | BC847C |
| BC847CLT1 | BC847C |
| BC847CWT1 | BC847CW |
| BC847PN | BC847BPN |
| BC847S | BC847BS |
| BC848A | BC847A |
| BC848ALT1 | BC847A |
| BC848AWT1 | BC847AW |
| BC848B | BC847B |
| BC848BLT1 | BC847B |
| BC848BWT1 | BC847BW |
| BC848C | BC847C |
| BC848CLT1 | BC847C |
| BC848CWT1 | BC847CW |
| BC849BLT1 | BC849B |
| BC849CLT1 | BC849C |
| BC850BLT1 | BC850B |
| BC850CLT1 | BC850C |
| BC856...860 | BC856 |
| BC856ALT1 | BC856A |
| BC856AWT1 | BC856AW |
| BC856BLT1 | BC856B |
| BC856BWT1 | BC856BW |
| BC856W..860W | BC856W |
| BC857A | BC857A |
| BC857ALT1 | BC857A |
| BC857AWT1 | BC857AW |
| BC857B | BC857B |
| BC857BLT1 | BC857B |
| BC857BWT1 | BC857BW |
| BC857S | BC857BS |
| BC858ALT1 | BC857A |
| BC858AWT1 | BC857AW |

| COMPETITOR TYPE NUMBER | PHILIPS-TYPE-No. |
|------------------------|------------------|
| BC858B | BC857B |
| BC858BLT1 | BC857B |
| BC858BW | BC857BW |
| BC858BWT1 | BC857BW |
| BC858CLT1 | BC857C |
| BC858CWT1 | BC857CW |
| BCP28 | BSP62 |
| BCP29 | PZTA14 |
| BCP51...53 | BCP51 |
| BCP53T1 | BCP53 |
| BCP54...56 | BCP54 |
| BCP56-10T1 | BCP56-10 |
| BCP56-16T1 | BCP56-16 |
| BCP56T1 | BCP56 |
| BCP68-10 | BCP68 |
| BCP68-16 | BCP68 |
| BCP68T1 | BCP68 |
| BCP69-10 | BCP69 |
| BCP69T1 | BCP69 |
| BCR108 | PDTC123JT |
| BCR10PN | PUMD3 |
| BCR112 | PDTC143ET |
| BCR112W | PDTC143EU |
| BCR116 | PDTC143ZT |
| BCR119 | PDTC143TT |
| BCR119S | PUMH7 |
| BCR133 | PDTC114ET |
| BCR133S | PUMH11 |
| BCR133W | PDTC114EU |
| BCR135 | PDTC114YT |
| BCR141 | PDTC124ET |
| BCR141S | PUMH1 |
| BCR141W | PDTC124EU |
| BCR146 | PDTC144WT |
| BCR146W | PDTC144WU |
| BCR148 | PDTC144ET |
| BCR148W | PDTC144EU |
| BCR162 | PDTA143ET |
| BCR162W | PDTA143EU |
| BCR166 | PDTA143ZT |

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| COMPETITOR TYPE NUMBER | PHILIPS-TYPE-No. |
|------------------------|------------------|
| BCR183 | PDTA114ET |
| BCR183W | PDTA114EU |
| BCR191 | PDTA124ET |
| BCR196W | PDTA144WU |
| BCR198 | PDTA144ET |
| BCR198W | PDTA144EU |
| BCR22PN | PUMD2 |
| BCR35PN | PUMD9 |
| BCR533 | PDTD114ET |
| BCV26 | BCV26 |
| BCV27 | BCV27 |
| BCV28 | BCV28 |
| BCV29 | BCV29 |
| BCV46 | BCV46 |
| BCV47 | BCV47 |
| BCV48 | BCV48 |
| BCV49 | BCV49 |
| BCV61/A/B/C | BCV61 |
| BCV62/A/B/C | BCV62 |
| BCW29 | BCW29 |
| BCW29LT1 | BCW29 |
| BCW30 | BCW30 |
| BCW30LT1 | BCW30 |
| BCW31 | BCW31 |
| BCW32 | BCW32 |
| BCW33 | BCW33 |
| BCW33LT1 | BCW33 |
| BCW60A | BCW60B |
| BCW60A...FN | BCW60B |
| BCW60ALT1 | BCW60B |
| BCW60B | BCW60B |
| BCW60BLT1 | BCW60B |
| BCW60C | BCW60C |
| BCW60D | BCW60D |
| BCW60DLT1 | BCW60D |
| BCW61A...FN | BCW61B |
| BCW61B | BCW61B |
| BCW61BLT1 | BCW61B |
| BCW61C | BCW61C |
| BCW61CLT1 | BCW61C |

| COMPETITOR TYPE NUMBER | PHILIPS-TYPE-No. |
|------------------------|------------------|
| BCW61DLT1 | BCW61D |
| BCW65B | BSR13 |
| BCW67A...C | BSR15 |
| BCW68F | BSR15 |
| BCW68F...H | BSR16 |
| BCW68G | BSR15 |
| BCW69 | BCW69 |
| BCW69LT1 | BCW69 |
| BCW70 | BCW70 |
| BCW70LT1 | BCW70 |
| BCW71 | BCW71 |
| BCW72 | BCW72 |
| BCW72LT1 | BCW72 |
| BCX17 | BCX17 |
| BCX17LT1 | BCX17 |
| BCX18LT1 | BCX18 |
| BCX19 | BCX19 |
| BCX19LT1 | BCX19 |
| BCX20 | BCX19 |
| BCX20LT1 | BCX19 |
| BCX51/10/16 | BCX51 |
| BCX52/10/16 | BCX52 |
| BCX53 | BCX53 |
| BCX53/10/16 | BCX53 |
| BCX54/10/16 | BCX54 |
| BCX55/10/16 | BCX55 |
| BCX56 | BCX56 |
| BCX56/10/16 | BCX56 |
| BCX68/10..25 | BC868-25 |
| BCX69/10..25 | BC869 |
| BCX70G...K | BCX70G |
| BCX70GLT1 | BCX70G |
| BCX70H | BCX70H |
| BCX70J | BCX70J |
| BCX70JLT1 | BCX70J |
| BCX70K | BCX70K |
| BCX70KLT1 | BCX70K |
| BCX71G | BCX71G |
| BCX71G...K | BCX71G |
| BCX71H | BCX71H |

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| COMPETITOR TYPE NUMBER | PHILIPS-TYPE-No. |
|------------------------|------------------|
| BCX71J | BCX71J |
| BDB01C | BC639 |
| BDB02C | BC640 |
| BF199 | BF199 |
| BF240 | BF240 |
| BF393 | MPSA44 |
| BF420 | BF420 |
| BF421 | BF421 |
| BF422 | BF422 |
| BF423 | BF423 |
| BF622 | BF622 |
| BF623 | BF623 |
| BF720 | BF720 |
| BF720T1 | BF720 |
| BF721 | BF723 |
| BF721T1 | BF723 |
| BF722 | BF722 |
| BF723 | BF723 |
| BF840 | BF840 |
| BF841 | BF840 |
| BF844 | MPSA44 |
| BF959 | BF240 |
| BFN16 | BST40 |
| BFN17 | BST15 |
| BFN18 | BST39 |
| BFN19 | BST16 |
| BFN20 | BF620 |
| BFN21 | BF621 |
| BFN22 | BF822 |
| BFN23 | BF823 |
| BFN39 | PZTA92 |
| BSP16T1 | BSP16 |
| BSP19AT1 | BSP19 |
| BSP50...52 | BSP50 |
| BSP52T1 | BSP52 |
| BSP60...62 | BSP60 |
| BSP62T1 | BSP62 |
| BSR14 | BSR14 |
| BSS63 | BSS63 |
| BSS63LT1 | BSS63 |

| COMPETITOR TYPE NUMBER | PHILIPS-TYPE-No. |
|------------------------|------------------|
| BSS64 | BSS64 |
| BSS79 | BSR14 |
| BSS80 | BSR15 |
| BSS81 | BSR13 |
| BSS82 | BSR16 |
| BSV52LT1 | BSS64 |
| BSV52LT1 | BSV52 |
| DTA114EE | PDTA114EE |
| DTA114EKA | PDTA114EK |
| DTA114ESA | PDTA114ES |
| DTA114EUA | PDTA114EU |
| DTA114TE | PDTA114TE |
| DTA114TKA | PDTA114TK |
| DTA114TSA | PDTA114TS |
| DTA114TUA | PDTA114TU |
| DTA123JE | PDTA123JE |
| DTA124ECA | PDTA124ET |
| DTA124EE | PDTA124EE |
| DTA124EKA | PDTA124EK |
| DTA124ESA | PDTA124ES |
| DTA124EUA | PDTA124EU |
| DTA124XE | PDTA124XE |
| DTA143ECA | PDTA143ET |
| DTA143EE | PDTA143EE |
| DTA143EE | PDTA143EE |
| DTA143EKA | PDTA143EK |
| DTA143ESA | PDTA143ES |
| DTA143EUA | PDTA143EU |
| DTA143ZKA | PDTA143ZK |
| DTA144EE | PDTA144EE |
| DTA144EKA | PDTA144EK |
| DTA144ESA | PDTA144ES |
| DTA144EUA | PDTA144EU |
| DTA144WKA | PDTA144WK |
| DTA144WUA | PDTA144WU |
| DTC114ECA | PDTC114ET |
| DTC114EE | PDTC114EE |
| DTC114EKA | PDTC114EK |
| DTC114ESA | PDTC114ES |
| DTC114EUA | PDTC114EU |

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| COMPETITOR TYPE NUMBER | PHILIPS-TYPE-No. |
|------------------------|------------------|
| DTC114TCA | PDTC114TT |
| DTC114TE | PDTC114TE |
| DTC114TE | PDTC114TE |
| DTC114TKA | PDTC114TK |
| DTC114TSA | PDTC114TS |
| DTC114TUA | PDTC114TU |
| DTC114YE | PDTC114YE |
| DTC114YE | PDTC114YE |
| DTC123JE | PDTC123JE |
| DTC124ECA | PDTC124ET |
| DTC124EE | PDTC124EE |
| DTC124EKA | PDTC124EK |
| DTC124ESA | PDTC124ES |
| DTC124EUA | PDTC124EU |
| DTC124XE | PDTC124XE |
| DTC143EE | PDTC143EE |
| DTC143EKA | PDTC143EK |
| DTC143ESA | PDTC143ES |
| DTC143EUA | PDTC143EU |
| DTC143XE | PDTC143XE |
| DTC143ZCA | PDTC143ZT |
| DTC143ZKA | PDTC143ZK |
| DTC144EE | PDTC144EE |
| DTC144EKA | PDTC144EK |
| DTC144ESA | PDTC144ES |
| DTC144EUA | PDTC144EU |
| DTC144WKA | PDTC144WK |
| DTC144WUA | PDTC144WU |
| IMZ2A | BC847BPN |
| MBT3904DW1T1 | PUMX1 |
| MBT3906DW1T1 | PUMT1 |
| MBT3946DW1T1 | PUMZ1 |
| MMBT2222ALT1 | PMBT2222A |
| MMBT2222AWT1 | PMST2222A |
| MMBT2222LT1 | PMBT2222 |
| MMBT2369ALT1 | PMBT2369 |
| MMBT2369LT1 | PMBT2369 |
| MMBT2484LT1 | BC850B |
| MMBT2907ALT1 | PMBT2907A |
| MMBT2907AWT1 | PMST2907A |

| COMPETITOR TYPE NUMBER | PHILIPS-TYPE-No. |
|------------------------|------------------|
| MMBT2907LT1 | PMBT2907 |
| MMBT3904LT1 | PMBT3904 |
| MMBT3904WT1 | PMST3904 |
| MMBT3906LT1 | PMBT3906 |
| MMBT3906WT1 | PMST3906 |
| MMBT4401LT1 | PMBT4401 |
| MMBT4403LT1 | PMBT4403 |
| MMBT5087LT1 | BC860B |
| MMBT5088LT1 | PMBT5088 |
| MMBT5089LT1 | PMBT5088 |
| MMBT5401LT1 | PMBT5401 |
| MMBT5550LT1 | PMBT5550 |
| MMBT5551LT1 | PMBT5551 |
| MMBT6427LT1 | PMBTA14 |
| MMBT6428LT1 | PMBT6428 |
| MMBT6429LT1 | PMBT6429 |
| MMBTA05LT1 | PMBTA06 |
| MMBTA06LT1 | PMBTA06 |
| MMBTA13LT1 | PMBTA13 |
| MMBTA14LT1 | PMBTA14 |
| MMBTA42LT1 | PMBTA42 |
| MMBTA43LT1 | PMBTA42 |
| MMBTA55LT1 | PMBTA56 |
| MMBTA56LT1 | PMBTA56 |
| MMBTA63LT1 | PMBTA64 |
| MMBTA64LT1 | PMBTA64 |
| MMBTA92LT1 | PMBTA92 |
| MMBTA93LT1 | PMBTA92 |
| MMST4126 | 2PB709AQ |
| MMST5086 | 2PB709AQ |
| MMST5087 | 2PB709AS |
| MMST8098 | 2PD601AQ |
| MMUN2111LT1 | PDTA114ET |
| MMUN2112LT1 | PDTA124ET |
| MMUN2113LT1 | PDTA144ET |
| MMUN2115LT1 | PDTA114TT |
| MMUN2131LT1 | PDTA123ET |
| MMUN2132LT1 | PDTA143ET |
| MMUN2133LT1 | PDTA143ZT |
| MMUN2211LT1 | PDTA114ET |

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| COMPETITOR TYPE NUMBER | PHILIPS-TYPE-No. |
|------------------------|------------------|
| MMUN2212LT1 | PDTC124ET |
| MMUN2213LT1 | PDTC144ET |
| MMUN2214LT1 | PDTC114YT |
| MMUN2215LT1 | PDTC114TT |
| MMUN2216LT1 | PDTC143TT |
| MMUN2231LT1 | PDTC123ET |
| MMUN2232LT1 | PDTC143ET |
| MMUN2233LT1 | PDTC143ZT |
| MPS2222 | PH2222A |
| MPS2222A | PH2222A |
| MPS2369 | PH2369 |
| MPS2369A | PH2369 |
| MPS2907 | PH2907A |
| MPS2907A | PH2907A |
| MPS3563 | PH2369 |
| MPS3646 | BF370 |
| MPS3904 | MPS3904 |
| MPS3906 | MPS3906 |
| MPS4124 | 2N3904 |
| MPS4126 | 2N3904 |
| MPS6531 | PH2222A |
| MPS6534 | BC327-16 |
| MPS6601 | BC368 |
| MPS6602 | BC635-16 |
| MPS6651 | BC369 |
| MPS6652 | BC636-10 |
| MPS6717 | BC639 |
| MPS8598 | MPSA56 |
| MPS8599 | MPSA56 |
| MPS918 | PH2369 |
| MPSA05 | MPSA06 |
| MPSA06 | MPSA06 |
| MPSA06 | MPSA06 |
| MPSA13 | MPSA14 |
| MPSA13 | MPSA14 |
| MPSA14 | MPSA14 |
| MPSA17 | JC501Q |
| MPSA18 | BC550C |
| MPSA27 | MPSA27 |
| MPSA28 | MPSA27 |

| COMPETITOR TYPE NUMBER | PHILIPS-TYPE-No. |
|------------------------|------------------|
| MPSA28 | MPSA27 |
| MPSA29 | MPSA27 |
| MPSA29 | MPSA27 |
| MPSA42 | MPSA42 |
| MPSA43 | MPSA43 |
| MPSA44 | MPSA44 |
| MPSA55 | MPSA56 |
| MPSA56 | MPSA56 |
| MPSA56 | MPSA56 |
| MPSA62 | MPSA64 |
| MPSA63 | MPSA64 |
| MPSA63 | MPSA64 |
| MPSA64 | MPSA64 |
| MPSA64 | MPSA64 |
| MPSA70 | MPS3906 |
| MPSA70 | MPS3906 |
| MPSA75 | MPSA64 |
| MPSA92 | MPSA92 |
| MPSA93 | MPSA92 |
| MPSH81 | BF324 |
| MPSL51 | 2N5401 |
| MPSW01 | BC635-16 |
| MPSW01A | BC635-16 |
| MPSW05 | MPSA06 |
| MPSW06 | MPSA06 |
| MPSW13 | MPSA14 |
| MPSW14 | MPSA14 |
| MPSW42 | MPSA42 |
| MPSW51 | BC636-10 |
| MPSW51A | BC636-10 |
| MPSW55 | MPSA56 |
| MPSW56 | MPSA56 |
| MSB709-RT1 | 2PB709AR |
| MSB710-RT1 | 2PB710AR |
| MSD1328-RT1 | 2PD602AS |
| MSD601-RT1 | 2PD601AR |
| MSD601-ST1 | 2PD601AS |
| MSD602-RT1 | 2PD602AR |
| MUN2111T1 | PDTA114EK |
| MUN2112T1 | PDTA124EK |

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|------------------------|------------------|
| MUN2113T1 | PDTA144EK |
| MUN2115T1 | PDTA114TK |
| MUN2132T1 | PDTA143EK |
| MUN2133T1 | PDTA143ZK |
| MUN2211T1 | PDTC114EK |
| MUN2212T1 | PDTC124EK |
| MUN2213T1 | PDTC144EK |
| MUN2215T1 | PDTC114TK |
| MUN2232T1 | PDTC143EK |
| MUN2233T1 | PDTC143ZK |
| MUN5111T1 | PDTA114EU |
| MUN5112T1 | PDTA124EU |
| MUN5113T1 | PDTA144EU |
| MUN5115DW1T1 | PUMB4 |
| MUN5115T1 | PDTA114TU |
| MUN5132T1 | PDTA143EU |
| MUN5211DW1T1 | PUMH11 |
| MUN5211T1 | PDTC114EU |
| MUN5212DW1T1 | PUMH1 |
| MUN5212T1 | PDTC124EU |
| MUN5213T1 | PDTC144EU |
| MUN5215DW1T1 | PUMH4 |
| MUN5215T1 | PDTC114TU |
| MUN5216DW1T1 | PUMH7 |
| MUN5232T1 | PDTC143EU |
| MUN5311DW1T1 | PUMD3 |
| MUN5312DW1T1 | PUMD2 |
| MUN5314DW1T1 | PUMD9 |
| P2N2222A | PN2222A |
| P2N2907A | PN2907A |
| PN2222A | PN2222A |
| PN2907A | PN2907A |
| PN918 | BF370 |
| PZT2222 | PZT2222A |
| PZT2222A | PZT2222A |
| PZT2222AT1 | PZT2222A |
| PZT2907A | PZT2907A |
| PZT2907AT1 | PZT2907A |
| PZT3904 | PZT3904 |
| PZT3906 | PZT3906 |

| COMPETITOR TYPE NUMBER | PHILIPS-TYPE-No. |
|------------------------|------------------|
| PZT751T1 | BSP31 |
| PZTA13 | PZTA14 |
| PZTA14 | PZTA14 |
| PZTA14T1 | PZTA14 |
| PZTA42 | PZTA42 |
| PZTA42T1 | PZTA42 |
| PZTA43 | PZTA42 |
| PZTA63 | BSP62 |
| PZTA64 | BSP62 |
| PZTA64T1 | BSP62 |
| PZTA92 | PZTA92 |
| PZTA92T1 | PZTA92 |
| PZTA93 | PZTA92 |
| RXT2222A | PXT2222A |
| RXT2907A | PXT2907A |
| RXT3904 | PXT3904 |
| RXT3906 | PXT3906 |
| RXTA14 | PXTA14 |
| RXTA28 | BCV49 |
| SMBT2222 | PMBT2222 |
| SMBT2222A | PMBT2222A |
| SMBT2907 | PMBT2907 |
| SMBT2907A | PMBT2907A |
| SMBT3904 | PMBT3904 |
| SMBT3906 | PMBT3906 |
| SMBT6428 | PMBT6428 |
| SMBT6429 | PMBT6429 |
| SMBTA05 | PMBTA06 |
| SMBTA06 | PMBTA06 |
| SMBTA13 | PMBTA13 |
| SMBTA14 | PMBTA14 |
| SMBTA42 | PMBTA42 |
| SMBTA43 | PMBTA42 |
| SMBTA55 | PMBTA56 |
| SMBTA56 | PMBTA56 |
| SMBTA63 | PMBTA64 |
| SMBTA64 | PMBTA64 |
| SMBTA92 | PMBTA92 |
| SMBTA93 | PMBTA92 |
| SST2222A | PMBT2222A |

**Small-signal Transistors
and Diodes**

**Cross Reference
Transistors**

| COMPETITOR TYPE NUMBER | PHILIPS-TYPE-No. |
|-------------------------------|-------------------------|
| SST2907A | PMBT2907A |
| SST3904 | PMBT3904 |
| SST3906 | PMBT3906 |
| SST4401 | PMBT4401 |
| SST4403 | PMBT4403 |
| SST6427 | PMBTA14 |
| SST6838 | BC847 |
| SST6839 | BC857 |
| SST8245 | PMBT2369 |
| SSTA05 | PMBTA06 |
| SSTA06 | PMBTA06 |
| SSTA13 | PMBTA13 |
| SSTA14 | PMBTA14 |
| SSTA28 | PMBTA14 |
| SSTA56 | PMBTA56 |
| SSTTIS97 | BC817-40 |
| SXT2222A | PXT2222A |
| SXT2907A | PXT2907A |
| SXT3904 | PXT3904 |
| SXT3906 | PXT3906 |
| SXTA42 | PXTA42 |
| SXTA43 | PXTA42 |
| SXTA92 | PXTA92 |

| COMPETITOR TYPE NUMBER | PHILIPS-TYPE-No. |
|-------------------------------|-------------------------|
| SXTA93 | PXTA92 |
| UMB4N | PUMB4 |
| UMD2N | PUMD2 |
| UMD3N | PUMD3 |
| UMH11N | PUMH11 |
| UMH1N | PUMH1 |
| UMH3N | PUMH7 |
| UMH4N | PUMH4 |
| UMH7N | PUMH7 |
| UMT1N | BC857BS |
| UMT2222A | PMST2222A |
| UMT2907A | PMST2907A |
| UMT2N | PUMT1 |
| UMT3904 | PMST3904 |
| UMT3906 | PMST3906 |
| UMT4401 | PMST4401 |
| UMT4403 | PMST4403 |
| UMX1N | PUMX1 |
| UMX2N | BC847BS |
| UMX3N | BC847BS |
| UMZ1N | BC847BPN |
| UMZ2N | BC847BPN |