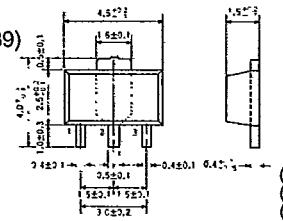
## • MPT (SOT-89), CPT (DPAK) Types

| Type | | Function | $V_{CEO}$(V) *$V_{CES}$ **$V_{CER}$ | $I_C$($I_{C\,Max.}$) (A) | $P_C$(W) MPT (Ta=25°C) | $P_C$(W) CPT (Tc=25°C) | $h_{FE}$ | | |
|---|---|---|---|---|---|---|---|---|---|
| MPT | CPT | | | | | | | $V_{CE}$(V) | $I_C$(mA) |
| **2SB1132** | — | Driver | −32 | −1 | 2* | — | 82~390 | −3 | −100 |
| — | **2SB1184** | | −50 | −3 | — | 15 | 82~390 | −3 | −500 |
| **2SB1188** | **2SB1182** | | −32 | −2 | 2* | 10 | 82~390 | −3 | −500 |
| **2SB1189** | — | | −80 | −0.7 | 2* | — | 82~390 | −3 | −100 |
| **2SB1260** | **2SB1181** | | −80 | −1 | 2* | 10 | 82~390 | −3 | −100 |
| — | **2SB1275** | | −160 | −1.5 | — | 10 | 56~270 | −5 | −100 |
| **2SC4132** | — | | 120 | 2 | 2* | — | 56~390 | 5 | 100 |
| **2SD1664** | — | | 32 | 1 | 2* | — | 82~390 | 3 | 100 |
| — | **2SD1760** | | 50 | 3 | — | 15 | 82~390 | 3 | 500 |
| **2SD1766** | **2SD1758** | | 32 | 2 | 2* | 10 | 82~390 | 3 | 500 |
| **2SD1767** | — | | 80 | 0.7 | 2* | — | 82~390 | 3 | 100 |
| **2SD1898** | **2SD1733** | | 80 | 1 | 2* | 10 | 82~390 | 3 | 500 |
| — | **2SD1918** | | 160 | 1.5 | — | 10 | 56~270 | 5 | 100 |
| New **2SD2126** | — | | 50 | 2(5) | 2* | — | 82~270 | 2 | 500 |
| New **2SD2167** | — | | 31±4 | 2(3) | 2* | — | 56~270 | 3 | 500 |
| **2SB1424** | — | Low $V_{CE}$(sat) | −20 | −3(−5) | 2* | — | 82~390 | −2 | −100 |
| **2SD2150** | — | | 20 | 3(5) | 2* | — | 120~560 | 2 | 100 |
| **2SB1308** | — | Strobo Flash | −20 | −3(−5) | 2* | — | 82~390 | −2 | −500 |
| **2SB1386** | **2SB1412** | | −20 | −5(−10) | 2* | 10 | 82~390 | −2 | −500 |
| **2SD1963** | — | | 20 | 3(5) | 2* | — | 120~560 | 2 | 500 |
| **2SD2098** | **2SD2118** | | 20 | 5(10) | 2* | 10 | 120~560 | 2 | 500 |
| **2SB1427** | — | High $h_{FE}$ | −20 | −2(−3) | 2* | — | 270~1200 | −6 | −500 |
| New **2SD2153** | — | | 25 | 2(3) | 2* | — | 390~2700 | 6 | 500 |
| — | **2SB1183** | Darlington | −40** | −2 | — | 10 | 1K~200K | −3 | −500 |
| — | **2SB1316** | | −100 | −2 | — | 10 | 1K~10K | −2 | −1000 |
| — | **2SD1759** | | 40** | 2 | — | 10 | 1K~200K | 3 | 500 |
| **2SD1834** | — | | 60* | 1 | 2* | — | 2K~ | 3 | 500 |
| — | **2SD1980** | | 100 | 2 | — | 10 | 1K~10K | 2 | 1000 |
| New **2SD2170** | — | | $90^{+20}_{-10}$ | 2(3) | 2* | — | 1K~10K | 2 | 1000 |
| New **2SA1690** | — | High Voltage SW | −400 | −0.1(−0.2) | 2* | — | 56~270 | −10 | −10 |
| — | New **2SA1727** | | −400 | −0.5(−0.1) | — | 10 | 56~270 | −5 | −50 |

Dimensions (Unit: mm)

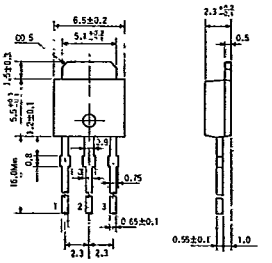
MPT (SOT-89)



(1) Base
(2) Collector
(3) Emitter

Fig. 6

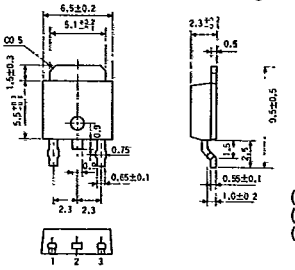
CPT (DPAK)



(1) Base
(2) Collector
(3) Emitter

* When mounted on a ceramic board measuring 40 × 40 × 0.7mm.

CPT F5



(1) Base
(2) Collector
(3) Emitter

Fig. 7

Note: For more information, see Discrete Components in the "ROHM Data Book '88."

## • MPT (SOT-89) Types for U.S.A.

| Type | Function | $V_{CEO}$ (V) | $I_C$ (A) | $P_C$ (W) | $f_T$ (MHz) | Cob (pF) | $h_{FE}$ | Package | |
|---|---|---|---|---|---|---|---|---|---|
| RXT2907A | Driver | −60 | −0.6 | 1* | 200 | 8 | 100~300 | MPT | Fig. 6 |
| RXT3906 | | −40 | −0.2 | 1* | 250 | 4.5 | 100~400 | MPT | Fig. 6 |
| BCX53 | | −80 | −1 | 1* | 100 | 20 | 40~250 | MPT | Fig. 6 |
| RXT2222A | | 40 | 0.6 | 1* | 300 | 8 | 100~300 | MPT | Fig. 6 |
| RXT3904 | | 40 | 0.2 | 1* | 300 | 4 | 100~300 | MPT | Fig. 6 |
| BCX56 | | 80 | 1 | 1* | 100 | 20 | 40~250 | MPT | Fig. 6 |
| RXT-A64 | Darlington Driver | −30 | −0.5 | 1* | 125 | 4 | 20K~ | MPT | Fig. 6 |
| RXT-A76 | | −50 | −0.5 | 1* | 125 | 4 | 20K~ | MPT | Fig. 6 |
| RXT-A14 | | 40 | 0.5 | 1* | — | 5.4 | 20K~ | MPT | Fig. 6 |
| RXT-A28 | | 80 | 0.5 | 1* | 125 | 5 | 10K~ | MPT | Fig. 6 |

★ Package mounted on ceramic 14 × 18 × 0.7mm