

Bias Resistor Built-in Transistor (BRT)

General Use Type

F6

Similar TR		Upper side: Similar to 2SC1815(NPN) Middle side: Similar to 2SC1815 + 2SA1015(NPN+PNP) Lower side: Similar to 2SA1015(PNP)										
Rating	V _{CEO} (V)	50										
	I _{cMAX} (mA)	100										
Package		TO-92	TO-92(MINI)	SOT-23MOD.	USM	SSM	USV	SMV	SM6	US6	US6	
Built-in resistor(KΩ)								EMITTER COMMON	EMITTER COMMON	Point symme-try array	Point symme-try array	Parallel array
R1	R2											
4.7	4.7	RN1001 RN2001	RN1201 RN2201	RN1401 RN2401	RN1301 RN2301	RN1101 RN2101	RN1701 RN2701	(RN1501) (RN2501)	(RN1601) (RN4601) (RN2601)	RN1901 RN4901 RN2901	RN1961 RN2961	
10	10	RN1002 RN2002	RN1202 RN2202	RN1402 RN2402	RN1302 RN2302	RN1102 RN2102	RN1702 RN2702	RN1502 RN2502	RN1602 RN4602 RN2602	RN1902 RN4902 RN2902	RN1962 RN2962	
22	22	RN1003 RN2003	RN1203 RN2203	RN1403 RN2403	RN1303 RN2303	RN1103 RN2103	RN1703 RN2703	RN1503 RN2503	RN1603 RN4603 RN2603	RN1903 RN4903 RN2903	RN1963 RN2963	
47	47	RN1004 RN2004	RN1204 RN2204	RN1404 RN2404	RN1304 RN2304	RN1104 RN2104	RN1704 RN2704	RN1504 RN2504	RN1604 RN4604 RN2604	RN1904 RN4904 RN2904	RN1964 RN2964	
2.2	47	RN1005 RN2005	RN1205 RN2205	RN1405 RN2405	RN1305 RN2305	RN1105 RN2105	RN1705 RN2705	(RN1505) (RN2505)	(RN1605) (RN4605) (RN2605)	RN1905 RN4905 RN2905	RN1965 RN2965	
4.7	47	RN1006 RN2006	RN1206 RN2206	RN1406 RN2406	RN1306 RN2306	RN1106 RN2106	RN1706 RN2706	(RN1506) (RN2506)	(RN1606) (RN4606) (RN2606)	RN1906 RN4906 RN2906	RN1966 RN2966	
10	47	RN1007 RN2007	RN1207 RN2207	RN1407 RN2407	RN1307 RN2307	RN1107 RN2107	RN1707 RN2707	RN1507 RN2507	RN1607 RN4607 RN2607	RN1907 RN4907 RN2907	RN1967 RN2967	
22	47	RN1008 RN2008	RN1208 RN2208	RN1408 RN2408	RN1308 RN2308	RN1108 RN2108	RN1708 RN2708	(RN1508) (RN2508)	(RN1608) (RN4608) (RN2608)	RN1908 RN4908 RN2908	RN1968 RN2968	
47	22	RN1009 RN2009	RN1209 RN2209	RN1409 RN2409	RN1309 RN2309	RN1109 RN2109	RN1709 RN2709	(RN1509) (RN2509)	(RN1609) (RN4609) (RN2609)	RN1909 RN4909 RN2909	RN1969 RN2969	
4.7	—	RN1010 RN2010	RN1210 RN2210	RN1410 RN2410	RN1310 RN2310	RN1110 RN2110	RN1710 RN2710	RN1510 RN2510	RN1610 RN4610 RN2610	RN1910 RN4910 RN2910	RN1970 RN2970	
10	—	RN1011 RN2011	RN1211 RN2211	RN1411 RN2411	RN1311 RN2311	RN1111 RN2111	RN1711 RN2711	RN1511 RN2511	RN1611 RN4611 RN2611	RN1911 RN4911 RN2911	RN1971 RN2971	
22	—	—	—	RN1412 RN2412	RN1312 RN2312	RN1112 RN2112	—	—	RN4612	—	—	
47	—	—	—	RN1413 RN2413	RN1313 RN2313	RN1113 RN2113	—	—	—	—	—	
1	10	—	—	RN1414 RN2414	RN1314 RN2314	RN1114 RN2114	—	—	—	—	—	
2.2	10	—	—	RN1415 RN2415	RN1315 RN2315	RN1115 RN2115	—	—	—	—	—	
4.7	10	—	—	RN1416 RN2416	RN1316 RN2316	RN1116 RN2116	—	—	—	—	—	
10	4.7	—	—	RN1417 RN2417	RN1317 RN2317	RN1117 RN2117	—	—	—	—	—	
47	10	—	—	RN1418 RN2418	RN1318 RN2318	RN1118 RN2118	—	—	—	—	—	

Parenthesized products are quasi-standard products.

High Current

F6

Similar TR		Upper side: Similar to 2SC2120(NPN) Lower side: Similar to 2SA950(PNP)	
Rating	V _{CEO} (V)	50	
	I _{cMAX} (mA)	800	
Package		TO-92(MINI)	SOT-23 MOD.
Built-in resistor(KΩ)			
R1	R2		
1	1	RN1221 RN2221	RN1421 RN2421
2.2	2.2	RN1222 RN2222	RN1422 RN2422
4.7	4.7	RN1223 RN2223	RN1423 RN2423
10	10	RN1224 RN2224	RN1424 RN2424
0.47	10	RN1225 RN2225	RN1425 RN2425
1	10	RN1226 RN2226	RN1426 RN2426
2.2	10	RN1227 RN2227	RN1427 RN2427

Muting

F6

Similar TR		2SC2878	
Rating	V _{CEO} (V)	20	
	I _{cMAX} (mA)	300	
Package		TO-92(MINI)	SOT-23MOD.
Built-in resistor (KΩ)			
R1	R2		
5.6	—	RN1241 —	RN1441 —
10	—	RN1242 —	RN1442 —
22	—	RN1243 —	RN1443 —
2.2	—	RN1244 —	RN1444 —

Power Use Type

F6

Similar TR		Upper side: NPN Lower side: PNP	
Rating	V _{CEO} (V)	30	10
	I _{cMAX} (mA)	2000	2000
Built-in resistor (KΩ)		Package	
R1	R2	SOT-89	
—	2.0	RN5001 RN6001	—
—	5.6	RN5002 RN6002	—
—	10	RN5003 RN6003	* RN5006 RN6006

* Built in Diode