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SANYO

Resistance-Contained Transistor Series(RA or RC Type)

Features. ★ On-chip bias resistance ★ Small-sized package (MCP CP, SPA) ★ Both PNP and NPN types are available
Applications. ★ SW circuit. ★ Inverter circuit ★ Interface circuit ★ Driver circuit.

Package Indication

Package	Sign
MCP	Q
CP	C
SPA	S

Type No. indication on devices (The same indication is used for MCP & CP)

RA PNP Type : e.g. Indication for RA101Q is 01A
⇧ MCP ⇧ PNP

RC NPN Type : e.g. Indication for RC101Q is 01C
⇧ NPN

In case of SPA, type No. indicated.

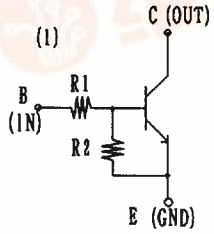
※ IC=100mA Series (Ta=25℃)

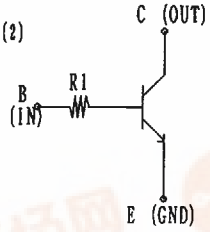
For PNP, (-) sign is omitted.

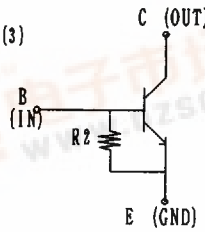
Type No. PNP/NPN	R1/R2 (KΩ)	Absolute Maximum Ratings VCBO VCEO (V)	V_{EBO} (V)	I_C (mA)	i_{cp} (mA)	P_C (mW)	Electrical Characteristics V_{CE}/I_C (V/mA)	h_{FE} min	Resistance R1/R2 (KΩ)	Type No. PNP/NPN	Related Type No. (Package:CP)
RA101Q, C, S/RC101Q, C, S	47/47	50	10	100	200	MCP 150 CP 200 SPA 300	5/5	50	47/47	RA101Q, C, S/RC101Q, C, S	2SA1341/2SC3395
RA102Q, C, S/RC102Q, C, S	22/22		10				5/5	50	22/22	RA102Q, C, S/RC102Q, C, S	2SA1342/2SC3396
RA103Q, C, S/RC103Q, C, S	46/23		10				5/5	50	46/23	RA103Q, C, S/RC103Q, C, S	2SA1343/2SC3397
RA104Q, C, S/RC104Q, C, S	10/47		6				5/5	70	10/47	RA104Q, C, S/RC104Q, C, S	2SA1563/2SC4047
RA105Q, C, S/RC105Q, C, S	10/10		10				5/10	50	10/10	RA105Q, C, S/RC105Q, C, S	2SA1344/2SC3398
RA106Q, C, S/RC106Q, C, S	4.7/47		6				5/5	70	4.7/47	RA106Q, C, S/RC106Q, C, S	2SA1597/2SC4146
RA107Q, C, S/RC107Q, C, S	4.7/10		6				5/10	50	4.7/10	RA107Q, C, S/RC107Q, C, S	2SA1653/2SC4360
RA108Q, C, S/RC108Q, C, S	4.7/4.7		6				5/10	30	4.7/4.7	RA108Q, C, S/RC108Q, C, S	2SA1655/2SC4362
RA109Q, C, S/RC109Q, C, S	2.2/47		6				5/10	80	2.2/47	RA109Q, C, S/RC109Q, C, S	—
RA110Q, C, S/RC110Q, C, S	2.2/10		6				5/10	50	2.2/10	RA110Q, C, S/RC110Q, C, S	2SA1502/2SC3863
RA111Q, C, S/RC111Q, C, S	47/-		5				5/10	100	47/-	RA111Q, C, S/RC111Q, C, S	2SA1508/2SC3898
RA112Q, C, S/RC112Q, C, S	22/-		5				5/10	140	22/-	RA112Q, C, S/RC112Q, C, S	2SA1589/2SC4120
RA113Q, C, S/RC113Q, C, S	10/-		5				5/10	100	10/-	RA113Q, C, S/RC113Q, C, S	2SA1496/2SC3859
RA114Q, C, S/RC114Q, C, S	4.7/-		5				5/10	100	4.7/-	RA114Q, C, S/RC114Q, C, S	2SA1510/2SC3900
RA115Q, C, S/RC115Q, C, S	2.2/-		5				5/10	100	2.2/-	RA115Q, C, S/RC115Q, C, S	2SA1581/2SC4112
RA116Q, C, S/RC116Q, C, S	-/47		5				5/10	80	-/47	RA116Q, C, S/RC116Q, C, S	2SA1571/2SC4066
RA117Q, C, S/RC117Q, C, S	-/22		5				5/10	70	-/22	RA117Q, C, S/RC117Q, C, S	2SA1573/2SC4069

In addition to the above we have other packages of 5/6 pin CPs. See the tables.

Electrical connection (NPN)

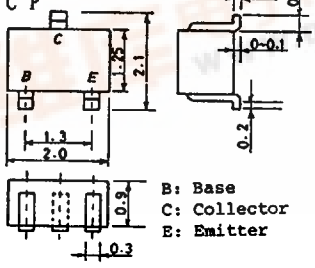




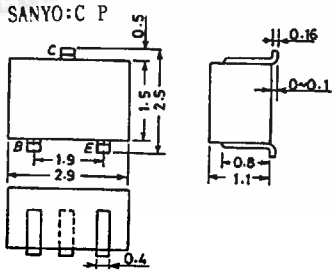


Case Outlines (unit:mm)

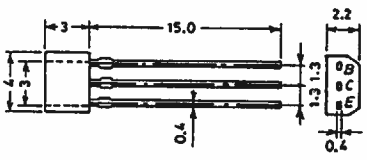
SANYO:MCP



SANYO:CP



SANYO:SPA



Please contact with production planning department if you have a plan to use these new products.
These specification are subject to change without notice.