

NEW PRODUCT VERY HIGH-FREQUENCY TRANSISTOR SERIES (No. 2)

Newly developed SANYO very high-frequency transistors can be used for various applications such as for communication equipment and measuring equipment. They are superior when used with low voltage drive.

Their packages are so small that you can make the mounting area of a board more compact. Though they are very small they maintain high reliability.

Use *Communication equipment of VHF/UHF *TV Tuners *CATV converters *RF modulators *BS tuners

Applications *For high frequency low noise amp and very high-speed switching (2SA1963)

*For high frequency medium power amp and medium current high-speed switching (2SA1969)

*Low voltage, Low current and high frequency amp (2SC4853, 2SC4854, 2SC4855)

*VHF-UHF frequency conversion local oscillator (2SC4856, 2SC4857, 2SC4858, 2SC4859)

*UHF frequency conversion local oscillator (2SC4860, 2SC4861, 2SC4862)

*VHF-UHF wide band low noise amp (2SC4863, 2SC4864, 2SC4865, 2SC4866, 2SC4867, 2SC4868, 2SC4869, 2SC4870, 2SC4930, 2SC4931, 2SC5226, 2SC5227, 2SC5228, 2SC5229, 2SC5230, 2SC5231)

*UHF-S-band low noise amp and oscillator (2SC4871, 2SC4872, 2SC4873, 2SC5245, 2SC5275, 2SC5276, 2SC5277)

Case Outlines (unit:mm)

SANYO : SMC

1:Base, 2:Emitter, 3:Collector

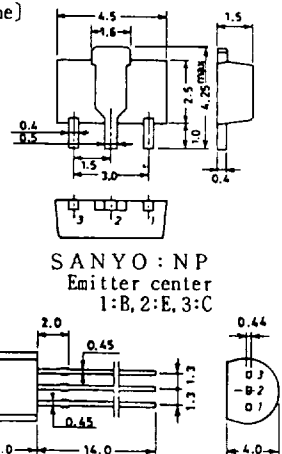
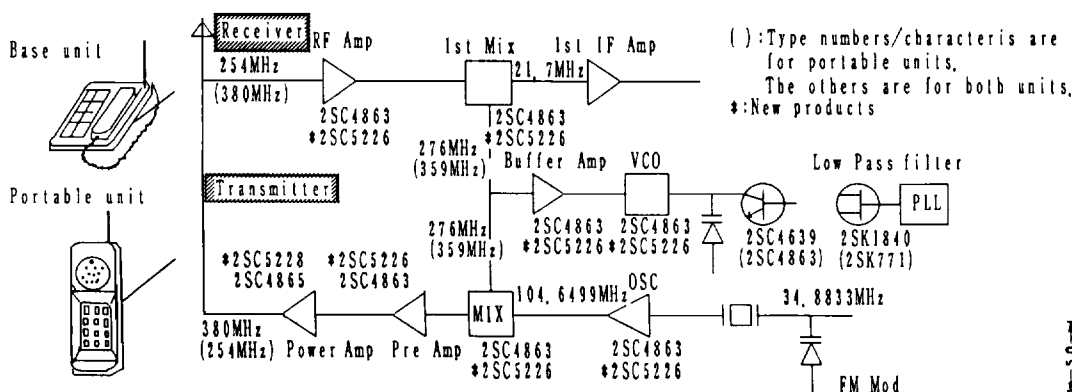
please contact with Production Planning Department if you have a plan to use these new products.

|S21e|², NF=1GHz, Δ :1.5GHz, PC of PCP package ☆:When mounted on ceramic board (250mm²×0.8mm)

Type No. ():Marking	Pac- kage	Absolute Maximum Ratings/Ta=25°C				Electrical Characteristics /Ta=25°C											
		V _{CBO} (V)	V _{CEO} (V)	I _C (mA)	P _C (mW)	V _{CE} (V)	I _C (mA)	f _T (GHz)	V _{CB} (V)	C _{ob} (pF)	V _{CE} (V)	I _C (mA)	NF typ (dB)	V _{CE} (V)	I _C (mA)	S21e ² typ (dB)	
2SC4930(A7-9)	SMCP	16	8	70	100	5	20	7	10	0.95	5	7	1.1	5	20	11	
2SC4931(B1-3)		16	8	50	100	5	15	9	10	0.55	5	5	1.2	5	15	13	
2SC5231(C7-9)		20	10	70	100	5	20	7	10	0.7	5	7	1	5	20	12	
2SC5277(D1-3)		20	10	30	100	5	10	11	10	0.45	5	5	1.4	5	10	10	
2SC4853(CN)	MCP	12	6	15	80	1	1	5	1	0.6	1	1	2.6	1	1	7	
2SC4856(DN)		18	10	80	150	5	20	6	10	1	5	5	1.5	5	20	min 6	
2SC4860(EN)		20	10	30	150	5	5	6.5	10	0.65	5	5	2.2	5	5	11.5	
2SC4863(FN)		16	8	70	150	5	20	7	10	0.95	5	7	1.1	5	20	11	
2SC4867(GN)		16	8	50	150	5	15	9	10	0.6	5	5	1.2	5	15	13	
2SC4871(HN)		16	8	20	100	5	4	10	10	0.4	5	4	1.3	5	7	13	
2SC5226(LN)		20	10	70	150	5	20	7	10	0.75	5	7	1	5	20	12	
2SC5245(MN)		20	10	30	150	5	10	11	10	0.45	5	5	1.4	5	10	10	
2SA1963(MS)	CP	12	8	50	200	5	10	5	10	0.8	5	5	1.5	5	10	9	
2SC4854(CN)		12	6	15	80	1	1	5	1	0.6	1	1	2.6	1	1	7	
2SC4857(DN)		18	10	80	200	5	20	6	10	1	5	5	1.5	5	20	min 6	
2SC4861(EN)		20	10	30	200	5	5	6.5	10	0.65	5	5	2.2	5	5	11.5	
2SC4864(FN)		16	8	70	200	5	20	7	10	0.95	5	7	1.1	5	20	11	
2SC4868(GN)		16	8	50	200	5	15	9	10	0.6	5	5	1.2	5	15	13	
2SC4872(HN)		16	8	20	150	5	4	10	10	0.45	5	4	1.3	5	7	12.5	
2SC5227(LN)		20	10	70	200	5	20	7	10	0.75	5	7	1	5	20	12	
2SC5275(MN)	CP4	20	10	30	200	5	10	11	10	0.45	5	5	1.4	5	10	10	
2SC4855(CN)		12	6	15	80	1	1	5	1	0.6	1	1	2.6	1	1	7.5	
2SC4858(DN)		18	10	80	200	5	20	6	10	1	5	5	1.5	5	20	min 7	
2SC4862(EN)		20	10	30	200	5	5	6.5	10	0.65	5	5	2.2	5	5	12.5	
2SC4865(FN)		16	8	70	200	5	20	7	10	0.95	5	7	1.1	5	20	12.5	
2SC4869(GN)		16	8	50	200	5	15	9	10	0.6	5	5	1.2	5	15	15	
2SC4873(HN)		16	8	20	150	5	4	10	10	0.45	5	4	1.3	5	7	14.5	
2SC5228(LN)		20	10	70	200	5	20	7	10	0.75	5	7	1	5	20	13.5	
2SC5276(MN)	PCP	20	10	30	200	5	10	11	10	0.45	5	5	1.4	5	10	11	
2SA1969(AQ)		10	10	400	1.3	5	100	1.7	10	4.7	-	-	-	-	-	-	
2SC4859(CQ)		18	10	80	800	5	20	5.5	10	1.1	5	5	1.5	5	20	min 5	
2SC4866(CR)		16	8	70	800	5	20	6.5	10	1.05	5	7	1.1	5	20	9	
2SC4870(CS)		16	8	50	300	5	15	8	10	0.8	5	5	1.3	5	15	11	
2SC5229(CY)	*NP	20	10	70	700	5	20	6.5	10	0.85	5	7	1	5	20	10.5	
2SC5230		20	10	70	400	5	20	6.5	10	0.85	5	7	1	5	20	10.5	

*:Emitter center

Transistor for telephone applications (Cordless Telephone)



These specifications are subject to change without notice.