

ROHM CORP

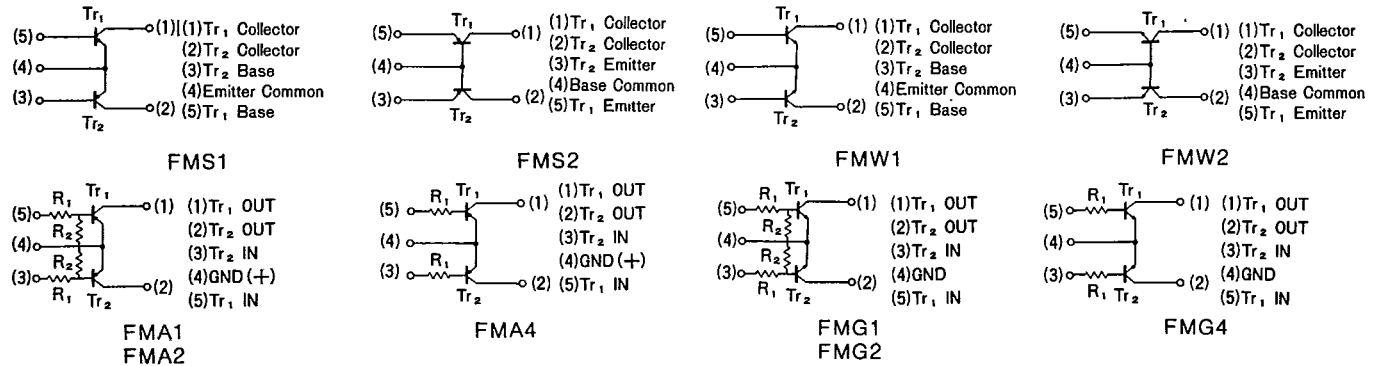
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• New SOT-25 Functional Circuit Using Multiple Digital Transistors

*I_o Max.

Function	Type	V _{CEO} (V)	I _C (mA)	Equivalent product	Common	Built-in resistance value	Package
Pre Amp (With two transistor circuits included)	FMS1	—40	—100	2SA1037K×2	Emitter		SOT-25 Fig. 2
	FMS2	—40	—100	2SA1037K×2	Base		SOT-25 Fig. 2
	FMW1	40	100	2SC2412K×2	Emitter		SOT-25 Fig. 2
	FMW2	40	100	2SC2412K×2	Base		SOT-25 Fig. 2
Inverter Driver (With two digital transistor circuits included)	FMA1	—40	—30*	DTA124EK×2	Ground	22kΩ/22kΩ	SOT-25 Fig. 2
	FMA2	—40	—30*	DTA144EK×2	Ground	47kΩ/47kΩ	SOT-25 Fig. 2
	FMA4	—40	—100	DTA114TK×2	Ground	10kΩ/—	SOT-25 Fig. 2
	FMG1	40	30*	DTC124EK×2	Ground	22kΩ/22kΩ	SOT-25 Fig. 2
	FMG2	40	30*	DTC144EK×2	Ground	47kΩ/47kΩ	SOT-25 Fig. 2
	FMG4	40	100	DTC114TK×2	Ground	10kΩ/—	SOT-25 Fig. 2
	FMA3	—50	—100	DTA143TK×2	Ground	4.7kΩ/—	SOT-25 Fig. 2
	FMA6	—50	—100	DTA144TK×2	Ground	47kΩ/—	SOT-25 Fig. 2
	FMA7	—50*	—100**	DTA143XK×2	Ground	4.7kΩ/10kΩ	SOT-25 Fig. 2
	FMA9	—50*	—50**	DTA114EK×2	Ground	10kΩ/10kΩ	SOT-25 Fig. 2
	FMA10	—50*	—100**	DTA113ZK×2	Ground	1.0kΩ/10kΩ	SOT-25 Fig. 2
	FMG6	50	100	DTC144TK×2	Ground	47kΩ/—	SOT-25 Fig. 2
	FMG7	50	100	DTC114TK×2		10kΩ/—	SOT-25 Fig. 2
	FMG8	30	100	DTC143ZK×2	Ground	4.7kΩ/47kΩ	SOT-25 Fig. 2
	FMG9	50*	50**	DTC114EK×2	Ground	10kΩ/10kΩ	SOT-25 Fig. 2

SOT-25 Equivalent Integrated Circuits

■ Digital Transistors (Includes Resistors) • I_O • 100mA Specifications

Type	Resistance value		V _{CC} (V)	V _{IN} (V)	I _O (mA)	I _C Max. (mA)	Pd (mW)		G _I	Typ.	V _O (ON)(V)			
	R ₁ (kΩ)	R ₂ (kΩ)					ATR FTR SPT	SMT			Max.	I _O (mA)	I _I (mA)	
DTA123E A/F/S/K/N	2.2	2.2	—50	—12	10	—100	—100	300	200	20 ~	—0.1	—0.3	—10	—0.5
DTA143E A/F/S/K/N	4.7	4.7	—50	—30	10	—100	—100	300	200	20 ~	—0.1	—0.3	—10	—0.5
DTA114E A/F/S/K/N	10	10	—50	—40	10	—50	—100	300	200	30 ~	—0.1	—0.3	—10	—0.5
DTA124E A/F/S/K/N	22	22	—50	—40	10	—30	—100	300	200	56 ~	—0.1	—0.3	—10	—0.5
DTA144E A/F/S/K/N	47	47	—50	—40	10	—30	—100	300	200	68 ~	—0.1	—0.3	—10	—0.5
DTA143X A/F/S/K/N	4.7	10	—50	—20	7	—100	—100	300	200	30 ~	—0.1	—0.3	—10	—0.5
DTA114Y A/F/S/K/N	10	47	—50	—40	6	—100	—100	300	200	68 ~	—0.1	—0.3	—5	—0.25
DTA124X A/F/S/K/N	22	47	—50	—40	10	—100	—100	300	200	68 ~	—0.1	—0.3	—10	—0.5
DTA144W A/F/S/K/N	47	22	—50	—40	10	—30	—100	300	200	56 ~	—0.1	—0.3	—10	—0.5
DTA123J A/F/S/K/N	2.2	47	—50	—12	10	—100	—100	300	200	80 ~	—0.1	—0.3	—5	—0.25
DTA143Z A/F/S/K/N	4.7	47	—50	—30	10	—100	—100	300	200	80 ~	—0.1	—0.3	—5	—0.25
DTC123E A/F/S/K/N	2.2	2.2	—50	12	—10	100	100	300	200	20 ~	0.1	0.3	10	0.5
DTC143E A/F/S/K/N	4.7	4.7	50	30	—10	100	100	300	200	20 ~	0.1	0.3	10	0.5
DTC114E A/F/S/K/N	10	10	50	40	—10	50	100	300	200	30 ~	0.1	0.3	10	0.5
DTC124E A/F/S/K/N	22	22	50	40	—10	30	100	300	200	56 ~	0.1	0.3	10	0.5
DTC144E A/F/S/K/N	47	47	50	40	—10	30	100	300	200	68 ~	0.1	0.3	10	0.5
DTC143X A/F/S/K/N	4.7	10	50	20	—7	100	100	300	200	30 ~	0.1	0.3	10	0.5
DTC114Y A/F/S/K/N	10	47	50	40	—6	100	100	300	200	68 ~	0.1	0.3	5	0.25
DTC124X A/F/S/K/N	22	47	50	40	—10	100	100	300	200	68 ~	0.1	0.3	10	0.5
DTC144W A/F/S/K/N	47	22	50	40	—10	30	100	300	200	56 ~	0.1	0.3	10	0.5
DTC123J A/F/S/K/N	2.2	47	50	12	—10	100	100	300	200	80 ~	0.1	0.3	5	0.25
DTC143Z A/F/S/K/N	4.7	47	50	30	—10	100	100	300	200	80 ~	0.1	0.3	5	0.25