




c)S-12 SERIES(4in1,6in1)

Package Style	Composition	Type No.	MAX. RATINGS			CHARACTERISTICS(T _a =25°C)						Chip	Circuit Symbol	
			V _{CEO} (V)	I _C (A)	P _T (T _a =25°C) (W)	h _{FE} (MIN.)	V _{CE(sat)}			I _C (A)	I _B (mA)			
							V _{CE} (V)	I _C (A)	(V) (MAX.)					
<ul style="list-style-type: none"> ○ SIP12Pin ○ Full Molding 	NPN×4with FB-Di	MP4304	80	3	4.4	600	2	1	0.5	1.5	1.5	High-β	S-12B	
		MP4303	100	2	4.4	2000	2	1	1.5	1	1	Darlington		
		MP4301	100	3	4.4	2000	2	1.5	1.5	1.5	3	Darlington		
	PNP×3+NPN×3	PNP×4	MP4302	-100	-5	4.4	2000	-5	-3	-1.5	-3	-6	Darlington	S-12A
		PNP×3+NPN×3	MP6301	±80	±3	4.4	2000	±2	±1	±1.8	±2	±4	Darlington	S-12D
			MP6302	±80	±3	4.4	2000	±2	±1	±1.8	±2	±4	Darlington	S-12E


d)F-12 SERIES(4in1,6in1)

<ul style="list-style-type: none"> ○ SIP12Pin ○ Isolated HeatSink 	NPN×4with FB-Di	MP4501	100	3	25*	2000	2	1.5	1.5	1.5	3	Darlington	F-12B	
		MP4605	100	5	25*	1000	3	3	2.0	3	12	Darlington		
		MP4505	100	5	25*	1000	3	3	2.0	3	12	Darlington		
	PNP×4with FB-Di	PNP×4with FB-Di	MP4511	-100	-5	25*	2000	-5	-3	-1.5	-3	-6	Darlington	F-12F
		NPN×4	MP4502	100	3	25*	2000	2	1.5	1.5	1.5	3	Darlington	F-12A
	MP4506		100	5	25*	1000	3	3	2.0	3	12	Darlington		
	PNP×4	PNP×4	MP4504	-100	-5	25*	2000	-5	-3	-1.5	-3	-6	Darlington	F-12A
			MP4508	-100	-5	25*	1000	-3	-3	-2.0	-3	-12	Darlington	
			PNP×2+NPN×2	MP4503	±80	±4	25*	2000	±2	±1	±1.5	±3	±6	
	MP4512	±80		±4	25*	2000	±2	±1	±1.5	±3	±6	Darlington		
	MP4507	±100		±5	25*	1000	±3	±3	±2.0	±3	±12	Darlington		
	PNP×3+NPN×3	PNP×3+NPN×3	MP6901	±80	±4	25*	2000	±2	±1	±1.5	±3	±6	Darlington	F-12D
MP6902			±80	±4	25*	2000	±2	±1	±1.5	±3	±6	Darlington	F-12E	

e)L-14 SERIES(6in1)

<ul style="list-style-type: none"> ○ SIP14Pin ○ Isolated HeatSink 	PNP×3+NPN×3	MP6002	±80	±12	100*	70	1	4	0.4	6	0.3	Single	L-14B
	NPN×6	MP6001	200	10	120*	500	2	5	1.5	10	0.1	Darlington	L-14A
		MP6003	450	5	120*	70	5	3	1.5	3	0.12	Darlington	
		MP6004	450	7	120*	100	5	4	1.5	4	0.16	Darlington	
		MP6005	450	10	120*	150	5	5	1.5	5	0.2	Darlington	

f)LL-11 SERIES(6in1)

<ul style="list-style-type: none"> ○ SIP11Pin ○ Isolated HeatSink 	NPN×6	MP6501	400	±15	70*	100	5	15	2.1	15	0.4	Darlington	L-11A
		MP6502	400	±20	70*	100	5	20	2.1	20	0.5	Darlington	
		MP6503	450	±10	70*	80	5	10	2.1	10	0.3	Darlington	
		MP6504	450	±15	70*	100	5	15	2.1	15	0.4	Darlington	

*;TC=25°C