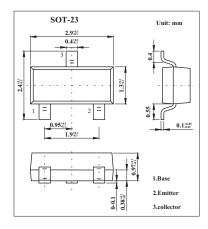
SMD Type Transistors

NPN Transistor

KC846A,B/KC847A,B,C/KC848A,B,C

(BC846A,B/BC847A,B,C/BC848A,B,C)

- Features
- Ideally suited for automatic insertion
- For Switching and AF Amplifier Applications



■ Absolute Maximum Ratings Ta = 25 °C

Parameter		Symbol	Rating	Unit	
	KC846		80		
Collector-Base Voltage	KC847	Vсво	50	V	
	KC848		30		
	KC846		65		
Collector-Emitter Voltage	KC847	VCEO	45	V	
	KC848		30		
Emitter-Base Voltage		VEBO	6	V	
Collector Current -Continuous		Ic	0.1	А	
Collector Power Dissipation		Pc	200	mW	
Junction Temperature		TJ	150	$^{\circ}\mathbb{C}$	
Storage Temperature		Tstg	-65 to +150	$^{\circ}\mathbb{C}$	

SMD Type Transistors

KC846A,B/KC847A,B,C/KC848A,B,C (BC846A,B/BC847A,B,C/BC848A,B,C)

■ Electrical Characteristics Ta = 25°C

Parameter		Symbol	Testconditons	Min	Тур	Max	Unit
	KC846			80			
Collector-base breakdown voltage	KC847	Vсво	Ic = 10 μA , IE = 0	50			\
	KC848			30			
	KC846			65			
Collector-emitter breakdown voltage	KC847	VCEO	Ic = 10mA , IB = 0	45			V
	KC848			30		\Box	1
Emitter-base Breakdown voltage		Vево	IE = 10 μA , Ic = 0	6			V
	KC846	Ісво	Vcb = 70 V , IE = 0			0.1	μ А
Collector-base cutoff current	KC847		Vcb = 50 V , IE = 0				
	KC848		VcB =30 V , IE = 0				
Collector-emitter cutoff current	KC846		VcE = 70V , IB = 0			0.1	μА
	KC847	I I	VCE = 50V , IB = 0				
	KC848		VCE = 30V , IB = 0				
Emitter-base cutoff current		ІЕВО	VEB = 5 V , IC = 0			0.1	μА
	KC846A,847A,848A			110		220	
DC current gain	KC846B,847B,848B	hFE	VcE = 5 V , Ic = 2 mA	200		450	
	KC847C,848C			420		800	
Collector-emitter saturation voltage		VCE(sat)	Ic = 100 mA , Iв = 5mA			0.5	V
Base-emitter saturation voltage		VBE(sat)	Ic = 100 mA , Iв = 5mA			1.1	V
Collector output capacitance		Cob	VcB=10V,f=1MHz			4.5	pF
Transition frequency		fτ	VcE = 5 V , lc = 10 mA , f = 100 MHz	100			MHz

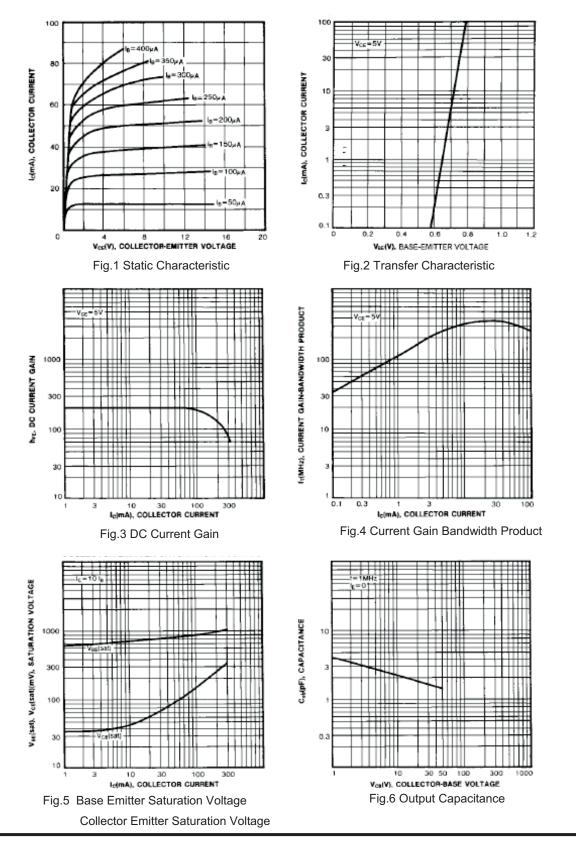
Marking

	NO.	KC846A	KC846B	
	Marking	1A	1B	
				•
	NO.	KC847A	KC847B	KC847C
	Marking	1E	1F	1G
ľ				
	NO.	KC848A	KC848B	KC848C
	Marking	1J	1K	1L

SMD Type Transistors

KC846A,B/KC847A,B,C/KC848A,B,C (BC846A,B/BC847A,B,C/BC848A,B,C)

■ Typical Characteristics



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