

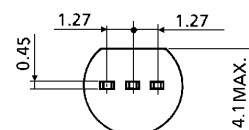
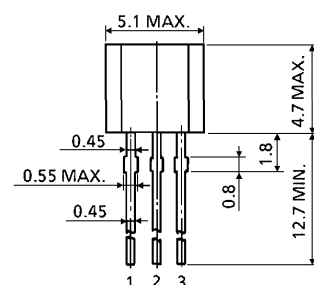
2SC2349

TV VHF OSCILLATOR APPLICATIONS

Unit in mm

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V _{CB0}	30	V
Collector-Emitter Voltage	V _{CEO}	15	V
Emitter-Base Voltage	V _{EBO}	3	V
Collector Current	I _C	50	mA
Emitter Current	I _E	−50	mA
Collector Power Dissipation	P _C	250	mW
Junction Temperature	T _j	125	°C
Storage Temperature Range	T _{stg}	−55~125	°C



1. EMITTER
2. COLLECTOR
3. BASE

JEDEC TO-92

EIAJ SO-43

TOSHIBA 2-5F1B

Weight : 0.21 g

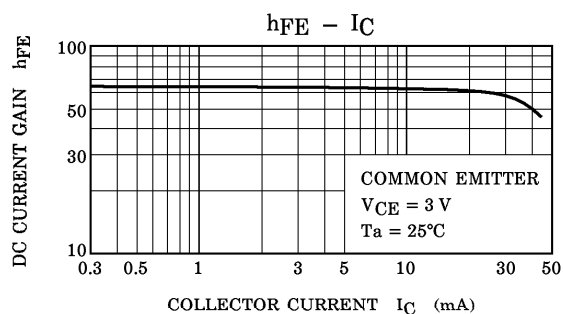
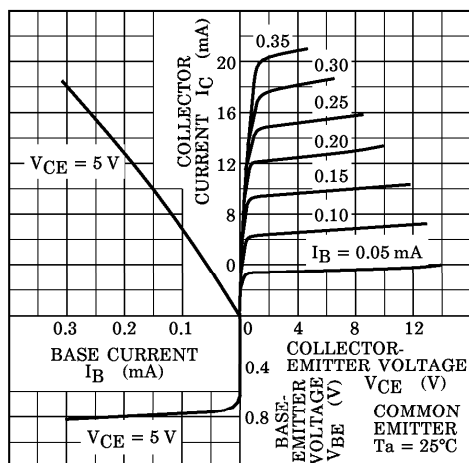
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I _{CBO}	V _{CB} = 15 V, I _E = 0	—	—	0.1	μA
Emitter Cut-off Current	I _{EBO}	V _{EB} = 3 V, I _C = 0	—	—	1.0	μA
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	I _C = 1 mA, I _B = 0	15	—	—	V
DC Current Gain	h _{FE}	V _{CE} = 3 V, I _C = 8 mA	20	—	—	—
Transition Frequency	f _T	V _{CE} = 10 V, I _C = 8 mA	650	—	—	MHz
Collector Output Capacitance	C _{ob}	V _{CB} = 10 V, I _E = 0, f = 1 MHz	—	1.2	1.5	pF
Collector-Base Time Constant	C _{c,rbb'}	V _{CB} = 10 V, I _C = 8 mA, f = 30 MHz	—	—	20	ps

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STATIC CHARACTERISTICS

COLLECTOR OUTPUT CAPACITANCE
 C_{ob} (pF)