

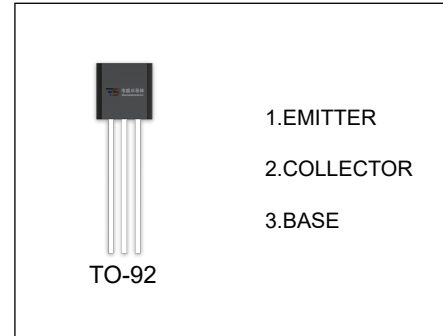
## BF483/BF485/BF487 TRANSISTOR (NPN)

### FEATURES

- Low Feedback Capacitance

### APPLICATIONS

- Intended for Use in Video Output Stages in Black-and-white and in Colour Television Receivers.



### ORDERING INFORMATION

Part Number	Package	Packing Method	Pack Quantity
BF483	TO-92	Bulk	1000pcs/Bag
BF483-TA	TO-92	Tape	2000pcs/Box
BF485	TO-92	Bulk	1000pcs/Bag
BF485-TA	TO-92	Tape	2000pcs/Box
BF487	TO-92	Bulk	1000pcs/Bag
BF487-TA	TO-92	Tape	2000pcs/Box

### MAXIMUM RATINGS ( $T_a=25^{\circ}\text{C}$ unless otherwise noted)

Symbol	Parameter		Value	Unit
$V_{\text{CBO}}$	Collector-Base Voltage	BF483	300	V
		BF485	350	
		BF487	400	
$V_{\text{CEO}}$	Collector-Emitter Voltage	BF483	250	V
		BF485	300	
		BF487	350	
$V_{\text{EBO}}$	Emitter-Base Voltage		5	V
$I_{\text{C}}$	Collector Current		0.1	A
$P_{\text{C}}$	Collector Power Dissipation		830	mW
$R_{\theta\text{JA}}$	Thermal Resistance From Junction To Ambient		150	$^{\circ}\text{C}/\text{W}$
$T_{\text{J}}, T_{\text{stg}}$	Operation Junction and Storage Temperature Range		-55~+150	$^{\circ}\text{C}$

$T_a=25\text{ }^\circ\text{C}$  unless otherwise specified

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	$V_{(BR)CBO}$	$I_C=100\mu\text{A}, I_E=0$	BF483	300		V
			BF485	350		
			BF487	400		
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	$I_C=1\text{mA}, I_B=0$	BF483	250		V
			BF485	300		
			BF487	350		
Emitter-base breakdown voltage	$V_{(BR)EBO}$	$I_E=100\mu\text{A}, I_C=0$	5			V
Collector cut-off current	$I_{CBO}$	$V_{CB}=300\text{V}, I_E=0$			20	nA
Emitter cut-off current	$I_{EBO}$	$V_{EB}=5\text{V}, I_C=0$			0.1	$\mu\text{A}$
DC current gain	$h_{FE(1)}$	$V_{CE}=20\text{V}, I_C=25\text{mA}$	50			
	$h_{FE(2)}$	$V_{CE}=20\text{V}, I_C=40\text{mA}$	20			
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C=30\text{mA}, I_B=5\text{mA}$			0.6	V
Transition frequency	$f_T$	$V_{CE}=10\text{V}, I_C=10\text{mA}, f=100\text{MHz}$	70			MHz
Collector output capacitance	$C_{ob}$	$V_{CB}=30\text{V}, I_E=0, f=1\text{MHz}$			1.4	pF