

# GTM CORPORATION

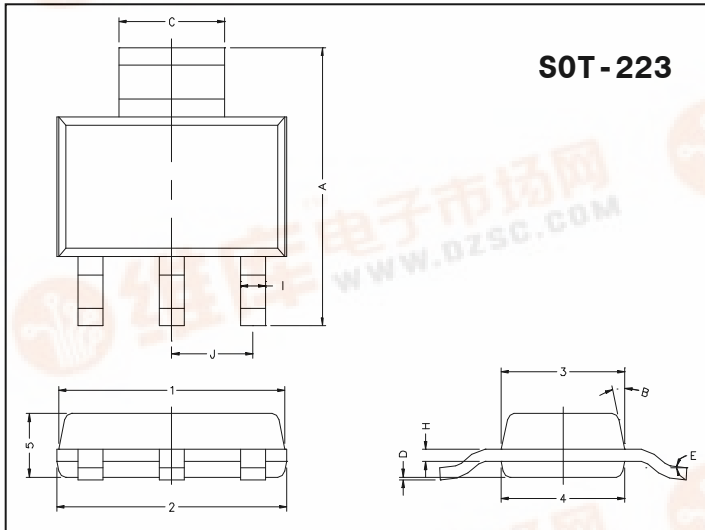
## GLA42

### NPN EPITAXIAL PLANAR TRANSISTOR

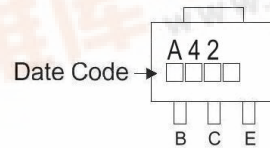
#### Description

The GLA42 is designed for application as a video output to drive color CRT, or as dialer circuit in electronics telephone.

#### Package Dimensions



#### Marking :



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	6.70	7.30	B	13° TYP.	
C	2.90	3.10	J	2.30 REF.	
D	0.02	0.10	1	6.30	6.70
E	0°	10°	2	6.30	6.70
I	0.60	0.80	3	3.30	3.70
H	0.25	0.35	4	3.30	3.70
			5	1.40	1.80

#### Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature	Tstg	-55~+150	°C
Collector to Base Voltage	VCBO	300	V
Collector to Emitter Voltage	VCEO	300	V
Emitter to Base Voltage	VEBO	6	V
Collector Current	IC	500	mA
Total Power Dissipation	PD	2	W

#### Characteristics at Ta = 25°C

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	300	-	-	V	IC=100uA
BVCEO	300	-	-	V	IC=1mA
BVEBO	6	-	-	V	IE=10uA
ICBO	-	-	100	nA	VCB=300V
IEBO	-	-	100	nA	VEB=6V
VCE(sat)	-	-	500	mV	IC=20mA, IB=2mA
VBE(sat)	-	-	900	mV	IC=20mA, IB=2mA
hFE1	25	-	-		VCE=10V, IC=1mA
hFE2	40	-	-		VCE=10V, IC=10mA
hFE3	40	-	-		VCE=10V, IC=30mA
fT	50	-	-	MHz	VCE=20V, IC=10mA, f=100MHz
Cob	-	-	3	pF	VCB=20V, f=1MHz

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