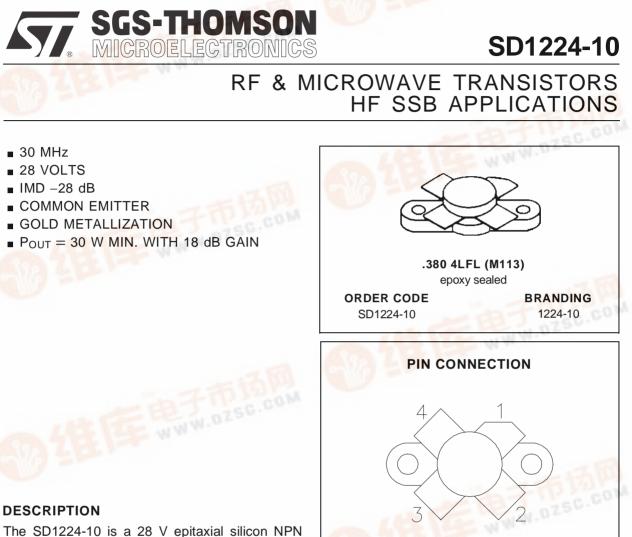
## 查询1224-10供应商

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planar transistor designed primarily for SSB communications. This device utilizes emitter ballasting for improved ruggedness and reliability.

#### **ABSOLUTE MAXIMUM RATINGS** ( $T_{case} = 25^{\circ}C$ )

Symbol	Parameter	Value	Unit	
V <sub>CBO</sub>	Collector-Base Voltage	65	V	
V <sub>CEO</sub>	Collector-Emitter Voltage	36	V	
V <sub>EBO</sub>	Emitter-Base Voltage	4.0	V	
lc	Device Current	4.5	А	
PDISS	Power Dissipation	80	W	
TJ	Junction Temperature +200		°C	
Tstg	Storage Temperature	– 65 to +150	°C	

1. Collector

2. Emitter

3. Base

4. Emitter

## THERMAL DATA

R <sub>TH(j-c)</sub> Junction-Case Thermal Resistance	2.2	°C/W
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# SD1224-10

# **ELECTRICAL SPECIFICATIONS** ( $T_{case} = 25^{\circ}C$ )

# STATIC

Symbol	Test Conditions	Value			Unit		
		Min.	Тур.	Max.	Unit		
BV <sub>CBO</sub>	$I_{C} = 200 \text{mA}$	$I_E = 0mA$		65		—	V
BV <sub>CES</sub>	$I_C = 200 \text{mA}$	$V_{BE} = 0V$		65		_	V
BVCEO	$I_C = 200 \text{mA}$	$I_B = 0mA$		35		—	V
BVEBO	$I_E = 10 mA$	$I_C = 0 m A$		4.0		—	V
Ісво	$V_{CB} = 30V$	$I_E = 0mA$				1	mA
hFE	$V_{CE} = 5V$	Ic = .5A		5		200	_

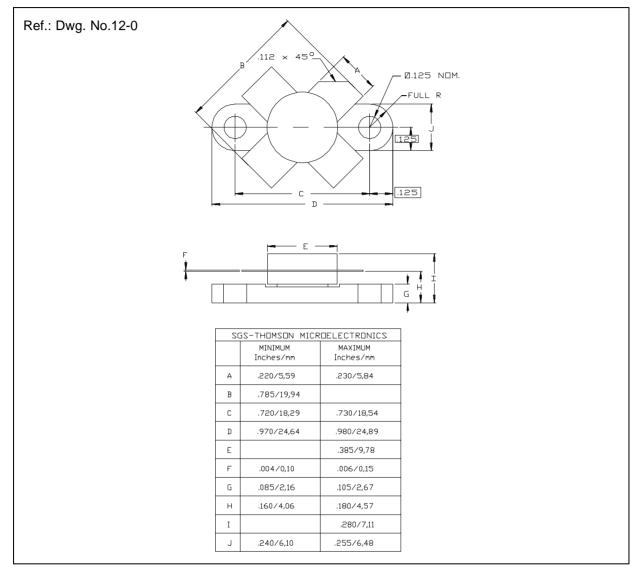
# DYNAMIC

Symbol	Test Conditions		Value			Unit	
	Test conditions			Min.	Тур.	Max.	Unit
Роит	f = 30 MHz	$V_{CE} = 28 V$	$I_{CQ} = 25 \text{ mA}$	30	—	—	W
GP	f = 30 MHz	$V_{CE} = 28 V$	$I_{CQ} = 25 \text{ mA}$	18	20	_	dB
IMD	f = 30 MHz	$V_{CE} = 28 V$	$I_{CQ} = 25 \text{ mA}$	—	- 32	- 28	dB
Сов	f = 1 MHz	$V_{CB} = 30 V$		_		65	pF

Note:  $P_{IN} = 0.48W$ 



## PACKAGE MECHANICAL DATA



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