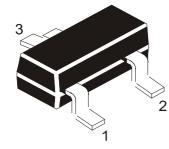
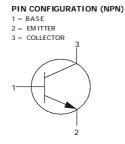
NPN SILICON PLANAR EPITAXIAL TRANSISTOR





MARKING CSC2713 =13 CSC2713G =13G CSC2713L =13L

Complementary CSA1163

Audio Frequency General Purpose Amplifier Applications

ABSOLUTE MAXIMUM RATINGS (T_a=25°C)

DESCRIPTION	SYMBOL	VALUE	UNITS	
Collector Base Voltage	V _{CBO}	120	V	
Collector Emitter Voltage	V _{CEO}	120	V	
Emitter Base Voltage	V _{EBO}	5	V	
Collector Current	I _C	100	mA	
Base Current	I _B	20	mA	
Collector Power Dissipation	Pc	150	mW	
Junction Temperature	Tj	125	℃	
Storage Temperature Range	T _{stg}	- 55 to +125	°C	

Electrical Characterstics (T_a=25°C unless specified otherwise)

DESCRIPTION	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Collector Cut Off Current	I _{CBO}	V _{CB} =120V, I _E =0			100	nA
Emitter Cut Off Current	I _{EBO}	V _{EB} =5V, I _C =0			100	nA
DC Current Gain	h _{FE}	V _{CE} =6V, I _C =2mA	200		700	
Collector Emitter Saturation Voltage	V _{CE (sat)}	I _C =10mA, I _B =1mA			0.3	V
Transition Frequency	f _T	V _{CE} =6V, I _C =1mA		100		MHz
Output Capacitance	C _{ob}	V _{CB} =10V, I _E =0, f=1MHz		4		pF
Noise Figure	NF	V_{CE} =6V, I _C =0.1mA, f=1KHz, R _g =10k Ω			10	dB

h_{FE} Classification

G: 200 - 400

L : 350 - 700

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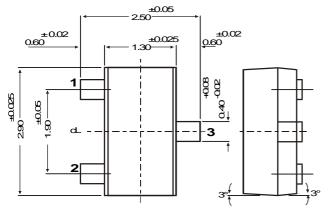
CSC2713

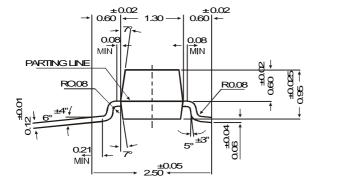
SOT-23 Formed SMD Package

CSC2713

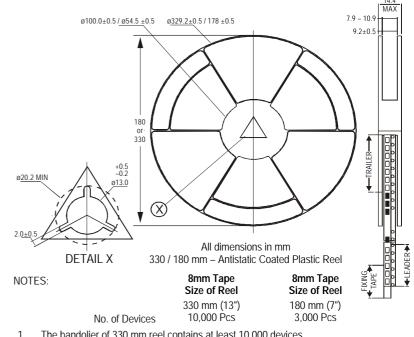
SOT-23 Formed SMD Package

SOT-23 Formed SMD Package



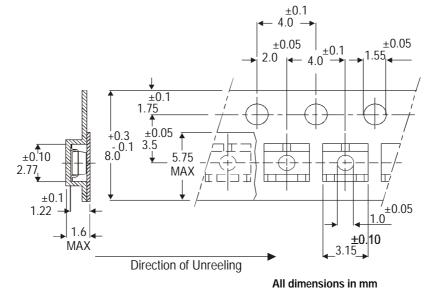


SOT-23 Package Reel Information Reel Specifications for W Packing (13") and 7"



- The bandolier of 330 mm reel contains at least 10,000 devices
- 2. The bandolier of 180 mm reel contains at least 3,000 devices.
- 3. No more than 0.5% missing devices / reel. 50 empty compartments for 330 mm reel. 15 empty compartments for 180 mm reel.
- Three consecutive empty places might be found provided this gap is followed by 6 4 consecutive devices.
- 5 The carrier tape (leader) starts with at least 75 empty positions (equivalent to 330 mm). In order to fix the carrier tape a self adhesive tape of 20 to 50 mm is applied. At the end of the bandolier at least 40 empty positions (equivalent to 160 mm) are there.

Tape Specification for SOT-23 Surface Mount Device



Packing Detail

PACKAGE STANDARD PACK **INNER CARTON BOX** OUTER CARTON BOX Gr Wt Details Net Weight/Qty Size Size Qty Qty 136 gm/3K pcs 3" x 7.5" x 7.5" SOT-23 T&R 3K/reel 12 K 17" x 15" x 13.5" 192 K 12 kgs 9" x 9" x 9" 51 K 19" x 19" x 19" 408 K 28 kgs 10K/reel 415 gm/10K pcs 13" x 13" x 0.5" 17" x 15" x 13.5" 300 K 10 K 16 kgs

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SOT-23 Formed SMD Package

Disclaimer

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