



UPA23LS2809P

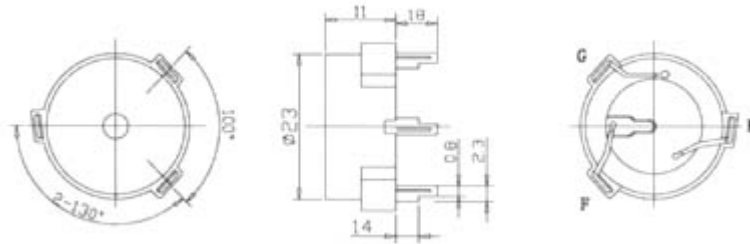
Type	Unit	UPA23LS2809P
Rated Voltage	Vp-p	9
Operating Voltage	Vp-p	3-15
*Rated Current(MAX)	mA	15
*Min Sound Output at 10 cm	dB	80
*Resonant Frequency	Hz	2800±500
Operating Temperature	°C	-20 - +70
Storage Temperature	°C	-30 - +80
Housing Material		MPPO
Weight	g	4

*Value Applying at Rated Voltage(resonant frequency, 1/2duty, square wave)

FREQUENCY RESPONSE:

DIMENSIONS:

UNIT: mm
Tolerance: ±0.5mm



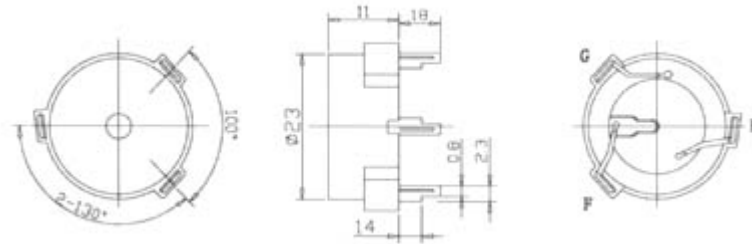


UPA23LS3812P

Type	Unit	UPA23LS3812P
Rated Voltage	Vp-p	12
Operating Voltage	Vp-p	3-15
*Rated Current(MAX)	mA	13
*Min Sound Output at 10 cm	dB	85
*Resonant Frequency	Hz	3800±500
Operating Temperature	°C	-20 - +70
Storage Temperature	°C	-30 - +80
Housing Material	MPPO	
Weight	g	4

*Value Applying at Rated Voltage(resonant frequency, 1/2duty, square wave)

FREQUENCY RESPONSE:



DIMENSIONS:

UNIT: mm

Tolerance: ±0.5mm