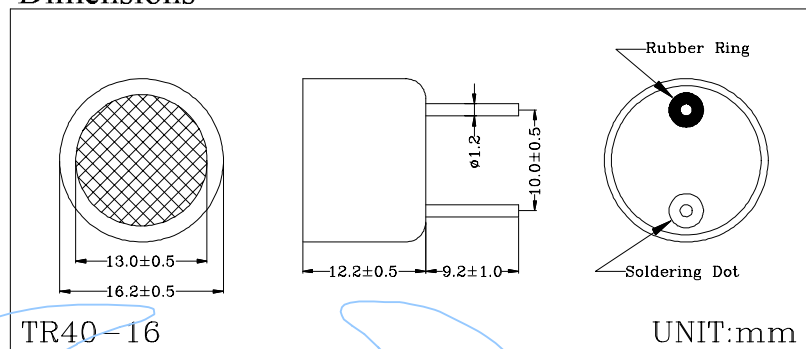


The T40-16 and R40-16 are matched pair ultrasonic transmitter and receiver respectively operated at 40kHz center frequency with utilizes the piezoelectric properties of engineering ceramic that provides high sound

2. Features

Dimensions



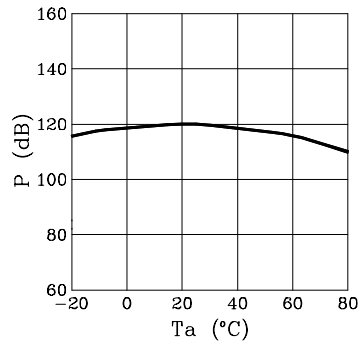
4. Absolute Maximum Ratings

Parameter	Symbol	Ratings	Unit
Maximum Input Voltage	V		
Shock Impact	Si	50	G
Operating Relative Humidity *1	RHopr	10 ~ +90	%
Operating Temperature	Topr	-30 ~ +80	
Storage Temperature *2	Tstg	-40 ~ +90	
Soldering Temperature *3	Tsol	240	

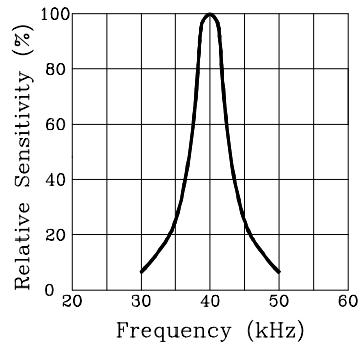
*3 - At the position of 2mm from the bottom face within 5 second.

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Center Frequency	fc	Still Air				
Sound Pressure Level *4	P	f=40kHz	120			dB
		P=120dB, f=40kHz	5.0			kHz
Center Frequency	fc	Still Air				
Sensitivity	S	f=40kHz	-59			
		f=40kHz		55		deg.
Capacitance	Cs			2100		nF

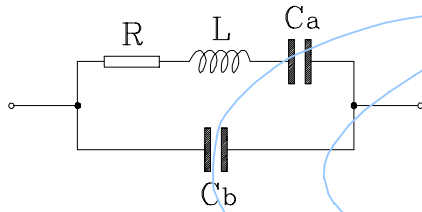
Sound Pressure Level vs Ambient Temperature



Relative Sensitivity vs Frequency



Equivalent Circuit



Directivity Diagram

