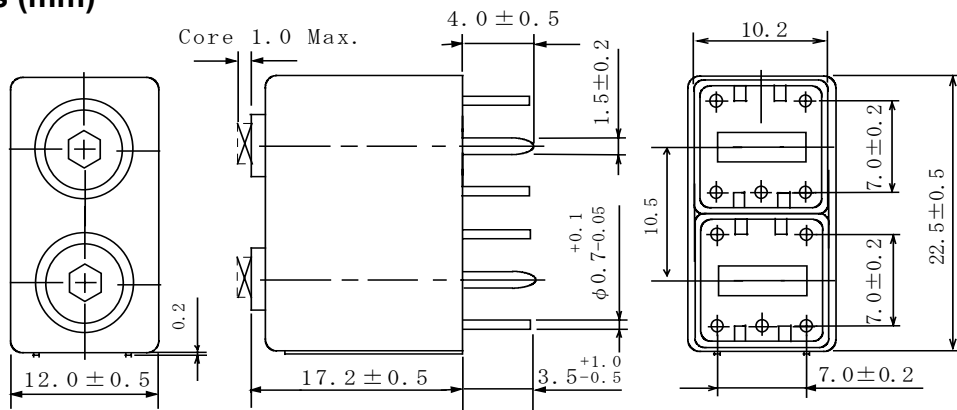


Type: QU-10W
◆ Product Description

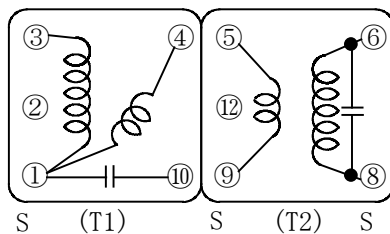
- 23.0×12.5mm Max.(L×W), 17.7mm Max. Height.
- Operating frequency: 30MHz Max.
- In addition to the reference versions of parameters shown here, custom designs are available to meet your exact requirements

◆ Feature

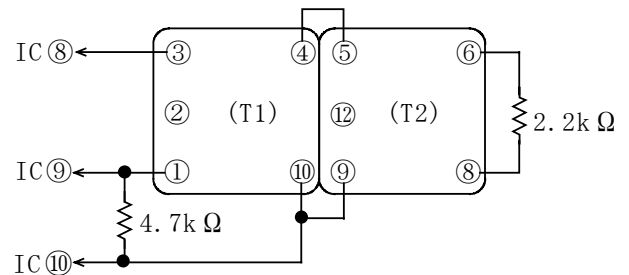
- Variable shielded type with 2 individual coils combined.
- 2 built-in condensers are available.
- Ideally used as quadrature detector coil.
- RoHS Compliance

◆ Dimensions (mm)


- * Dimension does not include solder used on coil.
- * Pin pitch should be measured at the root of terminal.
- * Dimensions without tolerance are approx.

◆ Connection (Bottom View)


"S" is winding start.

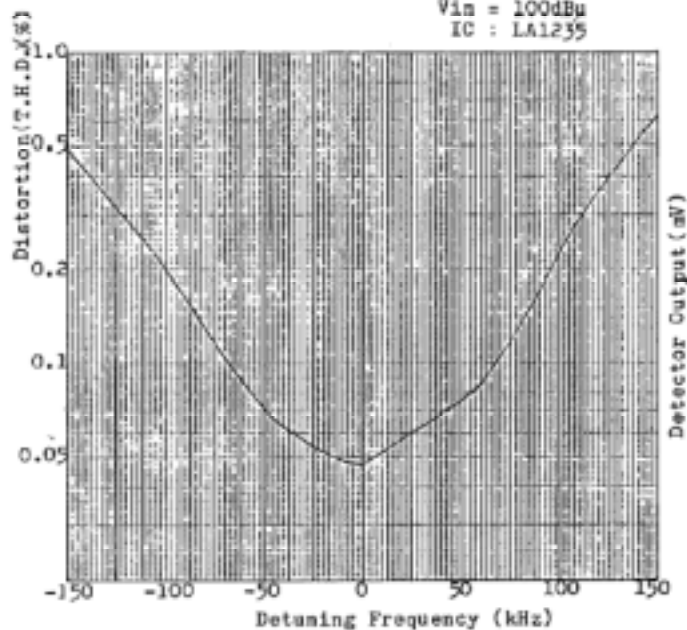
◆ Testing circuit


Type: QU-10W
◆ Specification (Part No.S07165349)

Item	(T1 Coil) (1-4)	(T2 Coil) (6-8)
Using frequency	10.7MHz	10.7MHz
Freq. variable	10.7MHz±2% Variable	10.7MHz±2% Variable
Unloaded Qu	40±20% Within (10.7MHz)	47±20% Within (10.7MHz)
Capacity(int.)	82pF±5% (1-10)	100pF±5% (6-8)
Inductance (1-3)	26μH±5% Within (2.52MHz)	
	Ext. stray capacity -3pF between (1-4) at measuring.	Ext. stray capacity -2pF between (6-8) at measuring.

◆ Attenuation Characteristic
1. DISTORTION VS. DETUNING FREQUENCY

FM SECTION
 $f_c = 10.7\text{MHz}$
 $f_m = 400\text{Hz}$
 $\Delta f = 75\text{kHz}(100\text{MHz})$
 $V_{in} = 100\text{dBu}$
IC : LA1235


2. FM CHARACTERISTICS VS. TEMPERATURE

FM SECTION
 $f_c = 10.7\text{MHz}$
 $f_m = 400\text{Hz}$
 $\Delta f = 75\text{kHz}(100\text{MHz})$
 $V_{in} = 100\text{dBu}$
IC : LA1235

