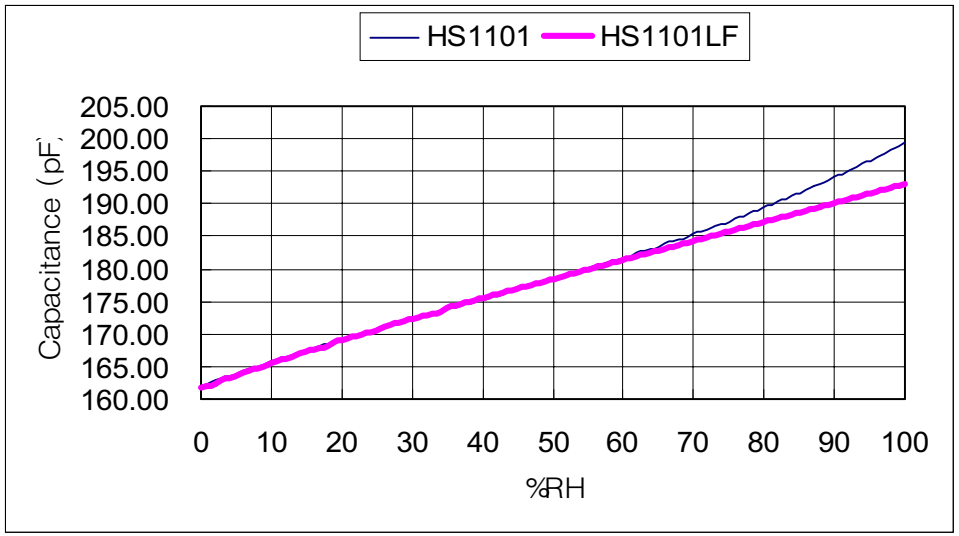
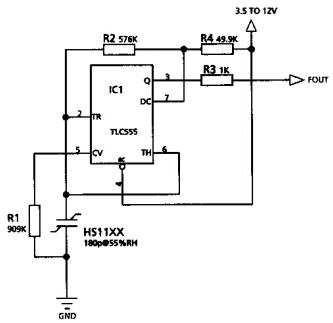
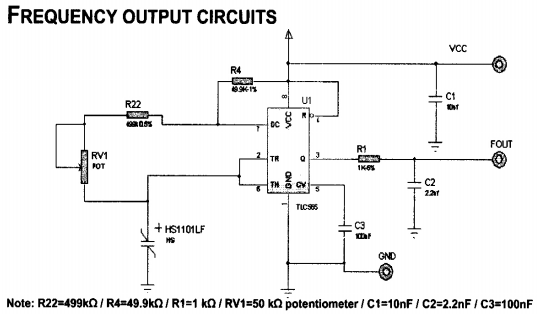
HS1101*(HTS2010)* and HS1101LF*(HTS2030)* Characteristic Comparison

No.	Description	HS1101*(HTS2010)*	HS1101LF*(HTS2030)*
1	Operating Temperature	-40 to 100℃	-60 to 140℃
2	Temperature Coefficient (Typ.)	0.04pF/℃ (0.1%RH/℃)	0.01pF/℃ (0.03%RH/℃)
3	Humidity Hysteresis	+/-1.5%RH	+/-1.0%RH
4	Response Time (Typ.) 33 to 75%RH	5 Sec	3 Sec
5	Typical Response Curve in Humidity		

HS1101*(HTS2010)* and HS1101LF*(HTS2030)* Characteristic Comparison

<table>
<tr><th>No.</th><th>Description</th><th>HS1101(HTS2010)</th><th>HS1101LF(HTS2030)</th></tr>
<tr><td>6</td><td>Application Circuit</td><td> 

TLC555 Timer IC pin 5(CV) : 909kΩ(R1)</td><td> 

TLC555 Timer IC pin 5(CV) : 100nF(C3)</td></tr>
<tr><td>7</td><td>Humidity vs Frequency Output</td><td>
<table>
<tr><td>%RH</td><td>10</td><td>20</td><td>30</td><td>40</td><td>50</td></tr>
<tr><td>Freq. (Hz)</td><td>7224</td><td>7100</td><td>6976</td><td>6853</td><td>6728</td></tr>
<tr><td>%RH</td><td>60</td><td>70</td><td>80</td><td>90</td><td>95</td></tr>
<tr><td>Freq. (Hz)</td><td>6600</td><td>6468</td><td>6330</td><td>6186</td><td>6110</td></tr>
</table>
Calibration : 6660Hz@55%RH, 25℃, 5Vdc</td><td>
<table>
<tr><td>%RH</td><td>10</td><td>20</td><td>30</td><td>40</td><td>50</td></tr>
<tr><td>Freq. (Hz)</td><td>7155</td><td>7010</td><td>6880</td><td>6760</td><td>6650</td></tr>
<tr><td>%RH</td><td>60</td><td>70</td><td>80</td><td>90</td><td>95</td></tr>
<tr><td>Freq. (Hz)</td><td>6550</td><td>6450</td><td>6355</td><td>6260</td><td>6210</td></tr>
</table>
Calibration : 6600Hz@55%RH, 25℃, 5Vdc</td></tr>
<tr><td>8</td><td>Cap Color</td><td>Grey(Black)</td><td>Black(Black)</td></tr>
<tr><td>9</td><td>Pb Free Soldering</td><td>×</td><td>○
Meets RoHS regulations</td></tr>
<tr><td>10</td><td>Free from Pb, Cr(6+), Cd and Hg</td><td>○</td><td>○</td></tr>
</table>