

Wide Band Isolating/Matching Transformer

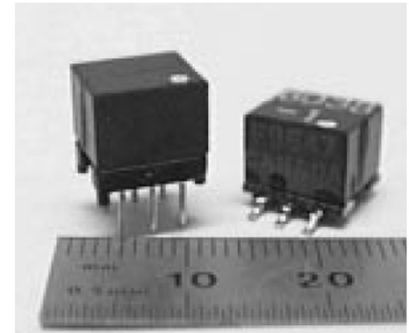
TEW6038

TEW6038 is Wide Band Isolating Transformer with the following features:

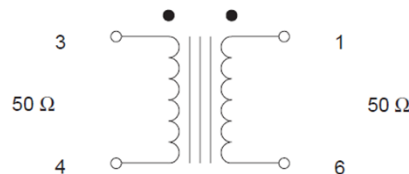
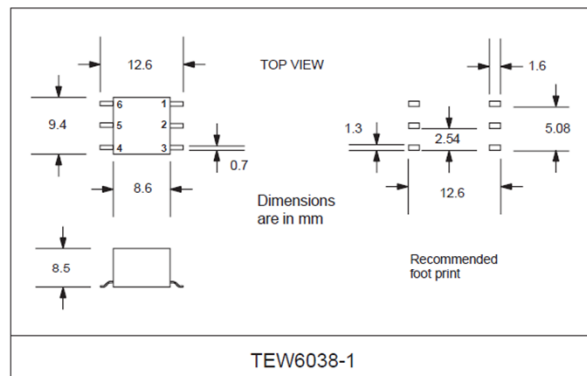
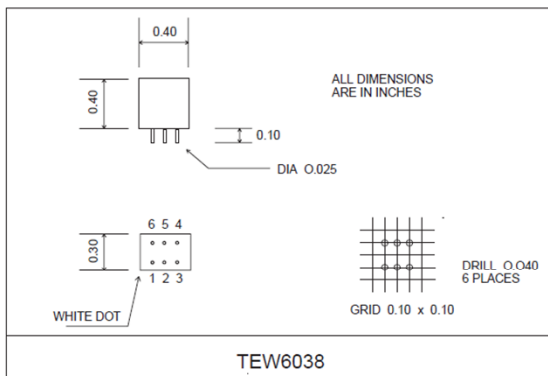
- Small size
- Low cost
- Through hole and SMD.

Applications:

- Galvanic ground/signal ground isolation of primary and secondary circuits, where required
- High speed data transmission, in primary and basic rate applications.



MECHANICAL



ELECTRICAL SPECIFICATION

TEW6038 & -1

| | | | | | |
|---------------------|--------------|---------------|-------------------|---------|-----------------------|
| Line Impedance | (Ω) | Pri | (1 - 6) | 50 | |
| | | Sec | (3 - 4) | 50 | |
| DCR | (Ω) | | (1 - 6) | < 1.5 | |
| | | | (3 - 4) | < 1.0 | |
| Inductance | (mH) | | (1 - 6) | > 2.0 | |
| Turns Ratio | | | (1 - 6) : (3 - 4) | 1 : 1 | |
| Insertion Loss | (dB) | @ 100 KHz | | < 0.5 | |
| Frequency Resp. | (dB) | 4 KHz - 6 MHz | | < - 1.0 | @ 4 dBm (354 mV) max. |
| Dielectric Strength | (V rms) | | | 700 | |