

## EPA3877AG & EPA3877AG-LF



- Miniature Surface Mount Package
- 300 KHz to 300 MHz Frequency Range
- Add “-LF” after part number for Lead-Free
- 500 Vrms Isolation

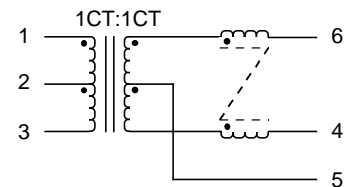
### Electrical Parameters @ 25° C

| Primary Inductance<br>( $\mu$ H Typ.) | Insertion Loss 1<br>(dB Max.) |              |              |                    |              | CMRR<br>(dB Typ.) |                    |                   |                    |
|---------------------------------------|-------------------------------|--------------|--------------|--------------------|--------------|-------------------|--------------------|-------------------|--------------------|
|                                       | @ 100 KHz,<br>1 Vrms          | @ 300<br>KHz | @ 400<br>KHz | 500 KHz-<br>90 MHz | @ 200<br>MHz | @ 300<br>MHz      | 300 KHz-<br>10 MHz | 20 MHz-<br>60 MHz | 80 MHz-<br>150 MHz |
| 40                                    | -3                            | -2           | -1           | -2                 | -3           | -45               | -40                | -30               | -25                |

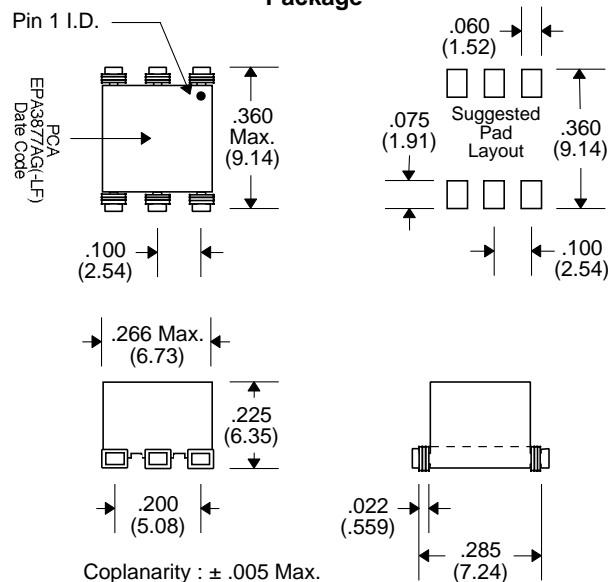
• **Note 1** : Referenced to Mid-band Frequency • **Impedance** : 75 •

| Notes :   | EPA3877AG  | EPA3877AG-LF                          |
|---|--|---------------------------------------|
| 1. Assembly Process (Assembly Solder)   | SnPb   | Hot Tin Dip (Sn)                      |
| 2. Peak Solder Rating (per IPC/JEDEC-J-STD-020C)                              | 225°C (+0/-5°C)                                      | 250°C (+0°C)                          |
| 3. Moisture Sensitive Levels (MSL) (per IPC/JEDEC-J-STD-020C)                 | 1 (Unlimited, 30°C/60%RH)                            | 1 (Unlimited, 30°C/60%RH)             |
| 4. Weight   | 0.3 grams  | 0.3 grams                             |
| 5. Packaging Information (*Add “TR” to end of part number when placing order) | (Tube)<br>80 pieces/tube                             | 80 pieces/tube                        |
|   | (Tape & Reel)<br>650 pieces/13" reel (*EPA3877AG-TR) | 650 pieces/13" reel (*EPA3877AG-LFTR) |

### Schematic



### Package



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25