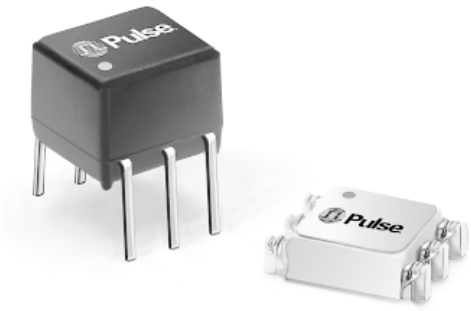
GENERAL PURPOSE TRANSFORMERS

RF Pulse



- Designed for use in 50 Ω Wideband IC applications
- Characterized for Pulse and wide band use at 50 Ω impedance
- Standard 6-pin DIP package or *ThinSet* surface mount package

Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

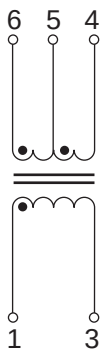
Part Number	Turns Ratio (±5%)	Primary Pulse Inductance (µH MIN)	Primary ET-Constant (v-µS MIN)	PRI/SEC Cww (pF MAX)	PRI/SEC Leakage Inductance (µH MAX)	Primary DCR (Ω MAX)	Secondary DCR (Ω MAX)	Bandwidth for -3 dB Loss Low Freq (MHz)	Bandwidth for -3 dB Loss High Freq (MHz)	Schematic/ Package Style
SURFACE MOUNT*										
PE-65457	1CT:1CT	80	2.5	15	0.18	0.20	0.20	0.05	90	A / SMT1
PE-65459	1CT:2CT	40	2.0	15	0.14	0.20	0.30	0.05	110	A / SMT1
23Z247SMD	1:1CT	80	2.5	15	0.18	0.20	0.20	0.05	90	B / SMT2
THROUGH HOLE										
PE-62245A	1:1	40	2.5	12	0.15	0.20	0.20	0.05	110	C / TH10
PE-62246A	1CT:1CT	40	2.5	15	0.18	0.20	0.20	0.05	90	D / TH10
PE-62250A	1:2CT	25	2.0	15	0.14	0.20	0.30	0.10	110	B / TH10
PE-62252A	1:$\sqrt{2}$CT	40	2.5	18	0.20	0.20	0.30	0.05	80	B / TH10
PE-62254A	1:4CT	10	1.25	10	0.10	0.20	0.60	0.20	60	B / TH10

***NOTE:**
To order Tape & Reel packaging for surface mount parts, add the suffix **"T"** to the part number. (Example: PE-65457T). The **"T"** will appear on all paper work, but will not be marked on parts.

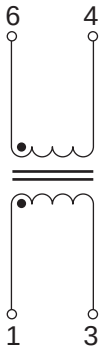
Schematics

A

B



C



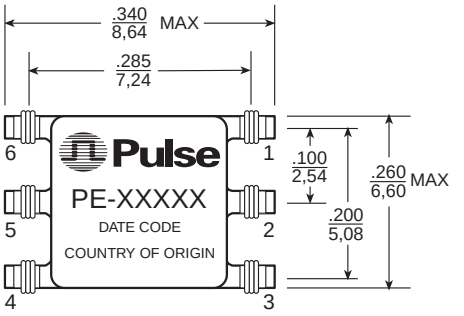
D

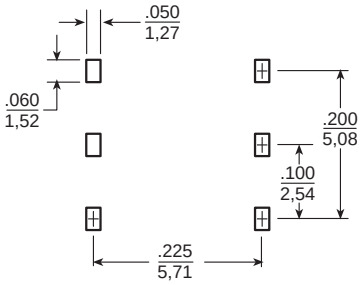
GENERAL PURPOSE TRANSFORMERS
RF Pulse

Pulse A TECHNITROL COMPANY

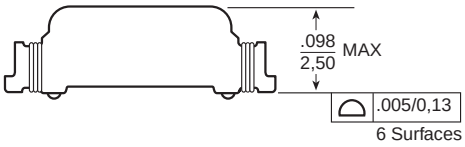
Mechanicals

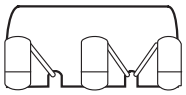
SMT 1





SUGGESTED PAD LAYOUT



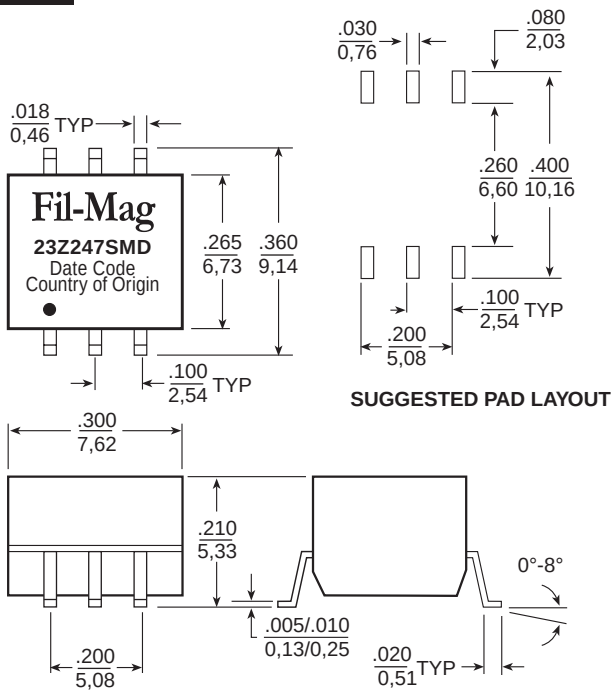


	PE-65457	PE-65459
Weight	0.2 grams	0.1 grams
Tube	60/tube	60/tube
Tape & Reel	1500/reel	1500/reel

Dimensions: inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

SMT 2



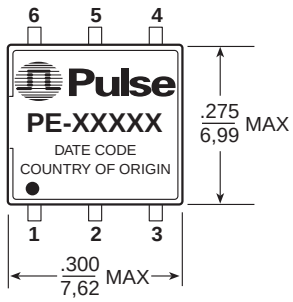
SUGGESTED PAD LAYOUT

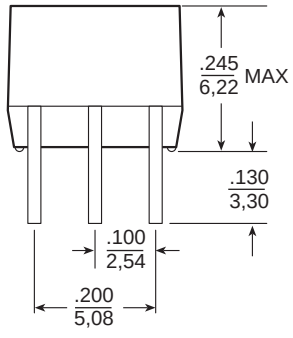
Weight ..... 0.5 grams
Tube 76/tube
Tape & Reel 750/reel

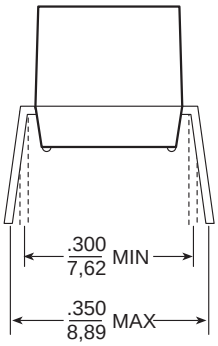
Dimensions: inches / mm

Unless otherwise specified, all tolerances are ± .005 / 0,13

TH10







Weight ..... 0.6 grams
Tube 65/tube

Dimensions: inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25