

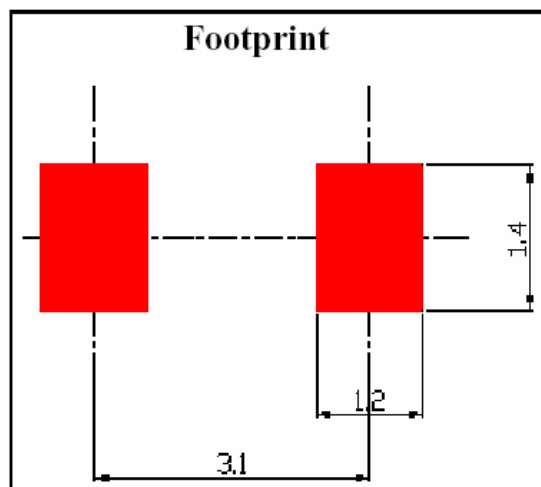
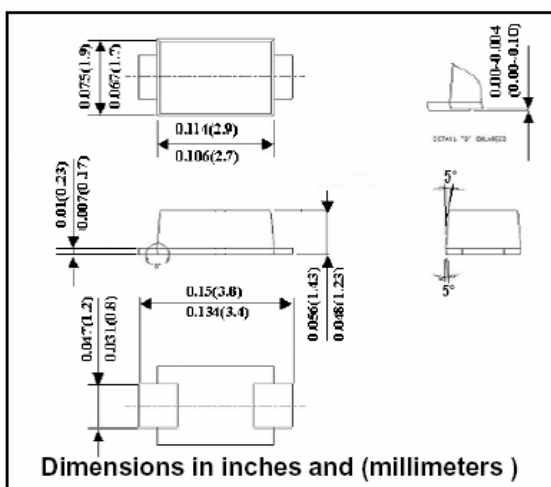
## Alternative parts to Philips SOD87

As alternative to SOD87, phased out by Philips, TSC are able to offer 2 different replacement packages:

1/ Sub SMA: solder pad compatible with SOD87

SOD87	Sub SMA	SOD87	Sub SMA	SOD87	Sub SMA
BZD27	BZD27C	BYD77A	ES1AL	BYD37D	RSFDL
BYD17D	S1DL	BYD77B	ES1BL	BYD37G	RSFGL
BYD17G	S1GL	BYD77C	ES1CL	BYD37J	RSFJL
BYD17J	S1JL	BYD77D	ES1DL	BYD37K	RSFKL
BYD17K	S1KL	BYD77F	ES1FL	BYD37M	RSFML
BYD17M	S1ML	BYD77G	ES1GL		
				BYD67	RSFGL
PRLL4001	S1AL	BYD127	ES1DL		
PRLL4002	S1BL	BYD147	ES1GL		
PRLL5817	SS12L	BYD167	ES1JL		
PRLL5818	SS13L	BYD1100	ES1BL		
PRLL5819	SS14L				

## Sub SMA package drawing and footprint

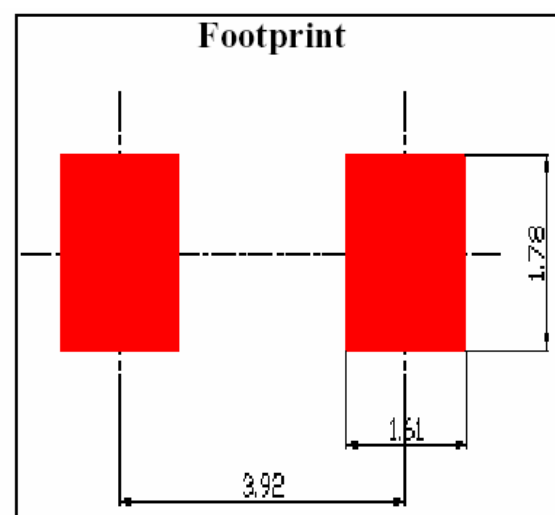
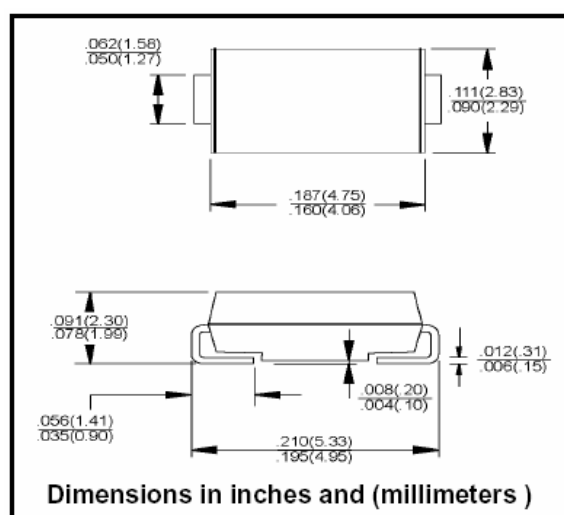


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## 2/ SMA: Solder Pad is a little bit larger than the Solder Pad of the SOD87, power dissipation 0.2W higher than SOD87

SOD87	SMA/DO214-AC	SOD87	SMA/DO214-AC	SOD87	SMA/DO214-AC
BZD27	1SMA47xx				
BYD17D	S1D	BYD37J	RS1J	BYD57M	HS1M
BYD17G	S1G	BYD37K	RS1K	BYD77A	ES1A
BYD17J	S1J	BYD37M	RS1M	BYD77B	ES1B
BYD17K	S1K	BYD57D	HS1D	BYD77C	ES1C
BYD17M	S1M	BYD57G	HS1G	BYD77D	ES1D
BYD37D	RS1D	BYD57J	HS1J	BYD77F	ES1F
BYD37G	RS1G	BYD57K	HS1K	BYD77G	ES1G
PRLL4001	S1A	BYD127	ES1D		
PRLL4002	S1B	BYD147	ES1G		
PRLL5817	SS12	BYD167	ES1J		
PRLL5818	SS13	BYD1100	ES1B		
PRLL5819	SS14	BYD67	RS1G		

## SMA package drawing and footprint



These are the nearest replacements, Should you require closer replacement, we will need to work with special HsNr.s.

BYD47 series , no alternative part.