

InGaP HBT AMPLIFIERS

SCHOTTKY DIODES

PIN DIODES

TUNNEL DIODES

SRD's/VARACTOR
DIODES

SAMPLING PHASE
DETECTORS

MIS CAPACITORS

HP REPLACEMENTS

OUTLINE DRAWINGS

APPLICATIONS

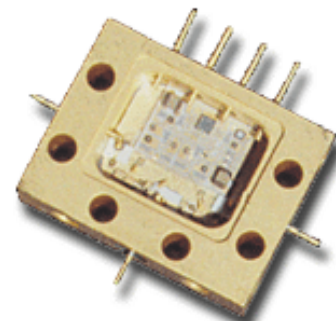
Sampling Phase Detectors

Applications:

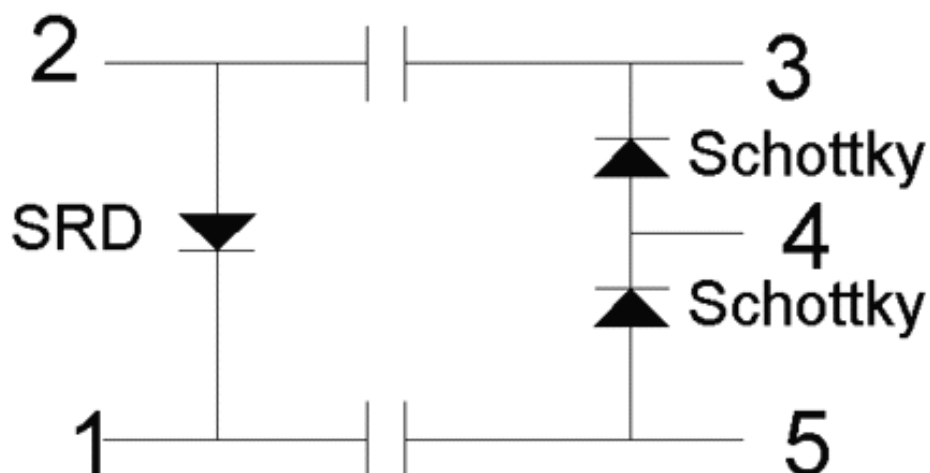
- Phase Lock Circuits
- Samplers
- Mixers

Maximum Ratings:

Storage Temperature -65 to 150°C
Operating Temperature -65 to 150°C



Part Number	Step Recovery Diodes:			Schottky Diodes:			
	C _j @ 6V pF	T _L nS	T _T pS	C _j @ 0V pF	V _f @ 1mA mV	R _d @ 5mA Ω	Max. Microwave Frequency, GHz
MSPD1000	1.0	35	95	0.40	250	7	0.5
MSPD1002	0.5	20	70	0.22	250	8	2
MSPD1012	0.5	10	70	0.18	250	9	12
MSPD2018	0.35	5	55	0.10	350	16	22



Notes:

1. All devices available in [E50](#) or [H50](#) - See [Outline Drawings](#)
2. Consult factory for special versions, high reliability screening or custom designs
3. Data at 25 °C

Disclaimer: Aeroflex / Metelics reserves the right to alter without notice the specifications, design, price or conditions of supply of this product.

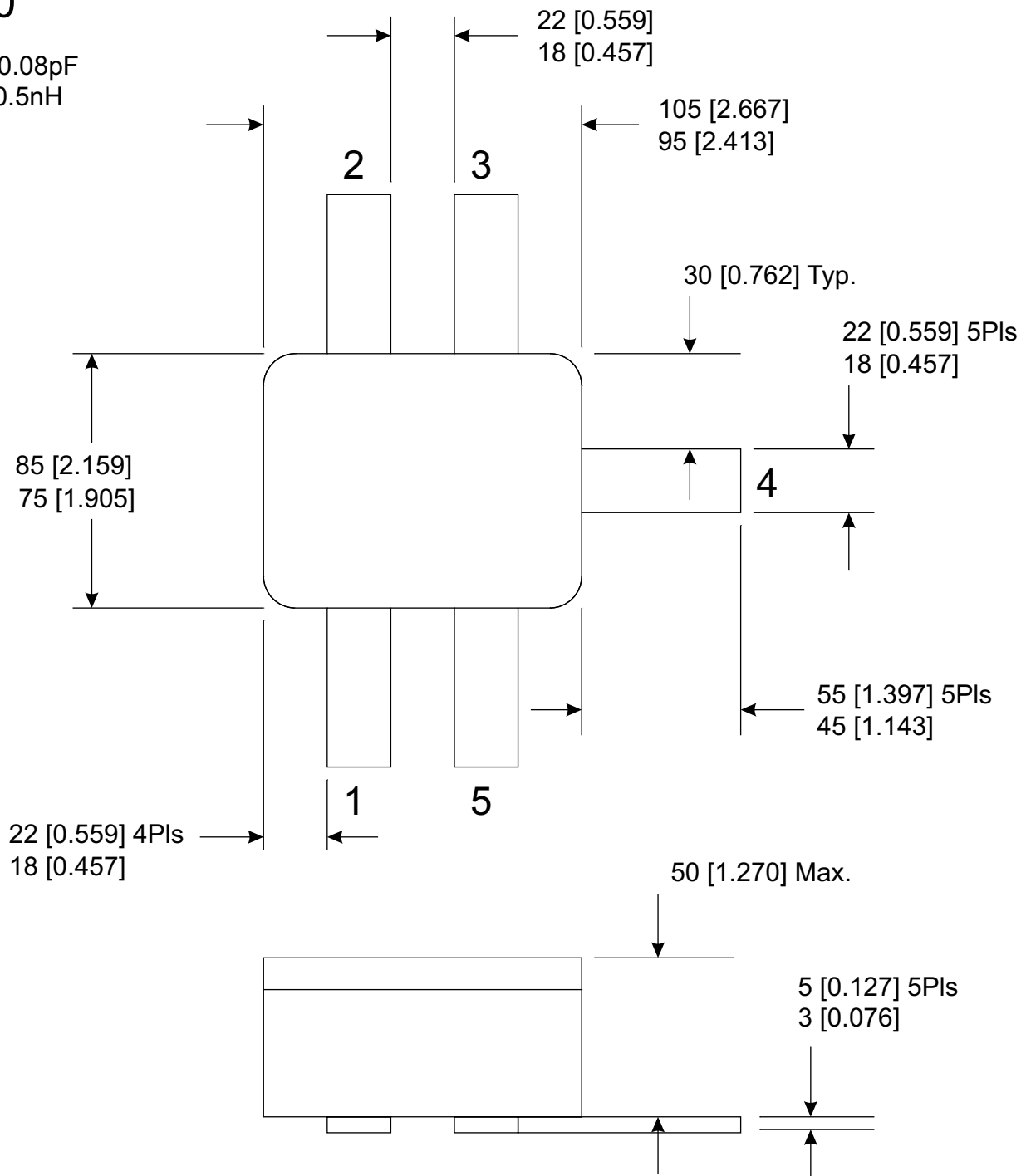
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H50

$C_p=0.08\text{pF}$
 $L_p=0.5\text{nH}$



Dimensions in mils [mm]