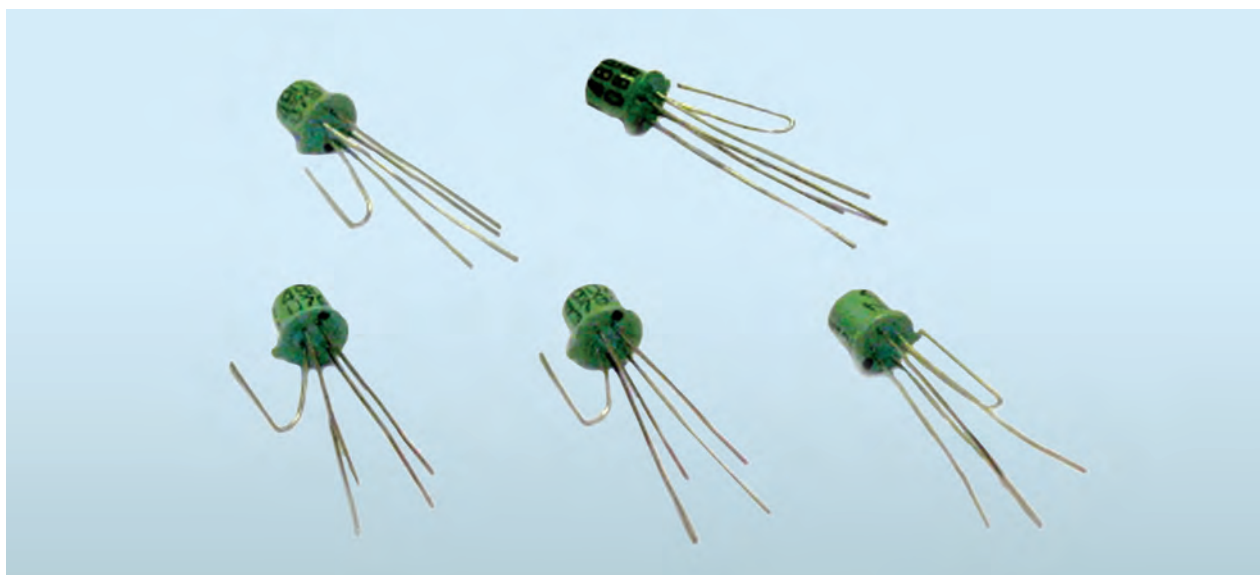


## TI THERMOELECTRIC INTEGRATED CONVERTER



### Areas of Application

The converter is designed to determine energy of single and infrequent electric pulses with a duration of  $10^{-7} - 10^{-1}$  s and energy value of  $1 \cdot 10^{-6} - 4 \cdot 10^{-3}$  J

### Advantages

High sensitivity, small dimensions, and improved reliability

### Specification

Parameters	Converter type												
	TI0101	TI0104	TI0108	TI0110	TI0114	TI0115	TI0116	TI0119	TI0120	TI0207	TI0211	TI0213	TI0219
$R_{HV}$ , ohm	0.5	1	2	3	5	7	9	16	20	2	4	6	18
$S$ , V/J	10	10	10	10	15	15	15	15	15	30	40	40	50
$Q_{max}$ , $\mu$ J	4	1	0.7	0.7	0.5	0.5	0.4	0.3	0.3	0.63	0.63	0.32	0.32
$Q_{min}$ , $\mu$ J	5	5	5	5	3	3	3	3	3	2	2	1	1
$T$ , s	$10^{-6} - 10^{-3}$								$10^{-7} - 10^{-1}$				

Stage of Development.  
Suggestions for Commercialization

IRL7, TRL6

Manufactured and supplied, upon request

IPR Protection

IPR3

### Contact Information

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