

Plastic package Surface Mount step recovery diodes



PLASTIC PACKAGE SURFACE MOUNT S.R.D.

Description

Our SRD diodes are also available in plastic package. They incorporate a passivated mesa technology. This family is designed for a low cost medium to high volume market that may be supplied in tape and reel for automated pick and place assembly on surface mount circuit boards.

Application

The DH54X series support fast switching and multiplier applications:

- very short pulse generation
- ultra fast waveform shaping
- comb generation
- high order multiplication at moderate power ratings.

Temperature ranges

Operating junction (T_J) : -55°C to +125°C

Storage : -55° C to +150° C

	Breakdown V _{br} (V)	Junction capacitance C _j (pF)	Minority carrier lifetime t _l (ns)	Snapp-Off time t _{SO} (ps)	
Test conditions	I _r = 10 μA	V _r = 6 V f = 1 MHz	I _f = 10 mA I _r = 6 mA	I _f = 10 mA V _r = 10 V	
Type	min.	max.	min.	typ.	max.
DH541	30	1.5	25	90	140
DH542	50	1.5	40	150	250
DH543	30	1.0	20	90	140
DH544	50	1.0	35	150	250
DH545	25	0.4	10	75	100
DH546	15	0.3	6	60	80

Packages

Packages	SOD323	SOT23	SOT23	SOT23	SOT143
DH541	DH541-60	DH541-51	DH541-53	DH541-54	DH541-70
DH542	DH542-60	DH542-51	DH542-53	DH542-54	DH542-70
DH543	DH543-60	DH543-51	DH543-53	DH543-54	DH543-70
DH544	DH544-60	DH544-51	DH544-53	DH544-54	DH544-70
DH545	DH545-60	DH545-51	DH545-53	DH545-54	DH545-70
DH546	DH546-60	DH546-51	DH546-53	DH546-54	DH546-70

(1) Other configuration available on request.

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How to order?

